JD Edwards EnterpriseOne Applications

Functionality for Mobile Devices Implementation Guide

Release 9.1

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JD Edwards EnterpriseOne Applications Functionality for Mobile Devices Implementation Guide, Release 9.1

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Preface

Welcome to the JD Edwards EnterpriseOne Applications Functionality for Mobile Devices Implementation Guide.

Audience

This document is intended for implementers and end users of JD Edwards EnterpriseOne mobile applications.

Documentation Accessibility

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`.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit `http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info` or visit `http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs` if you are hearing impaired.

Additional Resources

Additional, essential information describing the setup and design of the system appears in companion volumes of documentation called:

- *JD Edwards EnterpriseOne Mobile Applications Installation and Configuration Guide* which is available at:
  `http://www.oracle.com/pls/topic/lookup?ctx=E24902-01&id=EOTMA`
- *JD Edwards EnterpriseOne Applications Business Interfaces Implementation Guide.*

Customers must conform to the supported platforms for the release as detailed in the JD Edwards EnterpriseOne minimum technical requirements for mobile applications, which are outlined in the installation and configuration documentation. In addition, JD Edwards EnterpriseOne may integrate, interface, or work in conjunction with other Oracle products. Refer to the cross-reference material in the Program Documentation at `http://oracle.com/contracts/index.html` for Program prerequisites and version cross-reference documents to assure compatibility of various Oracle products.

JD Edwards EnterpriseOne Products

This implementation guide refers to these JD Edwards EnterpriseOne products from Oracle:

- JD Edwards EnterpriseOne Expense Management
- JD Edwards EnterpriseOne Inventory Management
- JD Edwards EnterpriseOne Procurement
- JD Edwards EnterpriseOne Requisition Self Service
- JD Edwards EnterpriseOne Sales Order Management

Related Documents

You can access related documents from the JD Edwards EnterpriseOne Release Documentation Overview pages on My Oracle Support. Access the main documentation overview page by searching for the document ID, which is 1308615.1, or by using this link:

`https://support.oracle.com/CSP/main/article?cmd=show&type=NOT&id=1308615.1`

To navigate to this page from the My Oracle Support home page, click the Knowledge tab, and then click the Tools and Training menu, JD Edwards EnterpriseOne, Welcome Center, Release Information Overview.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	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.

1

Introduction to JD Edwards EnterpriseOne Mobile Applications

This chapter contains these topics:

- Section 1.1, "Prerequisite"
- Chapter 1.2, "Understanding Mobile Application Basics"
- Chapter 1.3, "Understanding the Mobile Application User Interface"

1.1 Prerequisite

Before using any JD Edwards EnterpriseOne mobile applications, you must first complete the installation, configuration, and deployment tasks associated with mobile applications. This includes configuring the Authentication Provider, which is used to log into all JD Edwards EnterpriseOne mobile applications.

See:

- *JD Edwards EnterpriseOne Mobile Applications Installation and Configuration Guide.*

1.2 Understanding Mobile Application Basics

JD Edwards EnterpriseOne offers users the ability to access and update important business data directly from a hand-held mobile device. Using Oracle's ADF (Application Development Framework) Mobile technology, JD Edwards EnterpriseOne has developed these mobile applications:

- Mobile EnterpriseOne Menu (Release 9.1 Update)

  Use this application as a single sign-in and launch point for all available EnterpriseOne mobile applications. This application simplifies the log-in process when the user has multiple mobile applications available.

- Download applications from the Google Play Store or Apple App Store. (Release 9.1 Update)

  > **Note:** If you download the application from Google Play or the Apple Store, you must configure information during the initial log in on your mobile device.

- Mobile Expense Management

  You use the Mobile Expense Management application to:

  - Review expense reports that are currently awaiting your approval.
  - Approve or reject expense reports for your employees.
  - Enter your own expense reports.
  - (Release 9.1 Update) Attach photographs of receipts or other documents to your expense report.
  - Search for expense reports that you, or your employees, have entered previously.

- Mobile Purchase Order Approval

  You use the Mobile Purchase Order Approval application to review, approve, and reject purchase orders that are currently awaiting your approval.

- Mobile Requisition Self Service (RSS) Approval.

  You use the Mobile RSS Approval application to review, approve, and reject requisitions that are currently awaiting your approval.

- Mobile Sales

  You use the Mobile Sales application to:

  - Inquire on item base price information.
  - Inquire on item availability.
  - Search for and review open and historical sales orders.

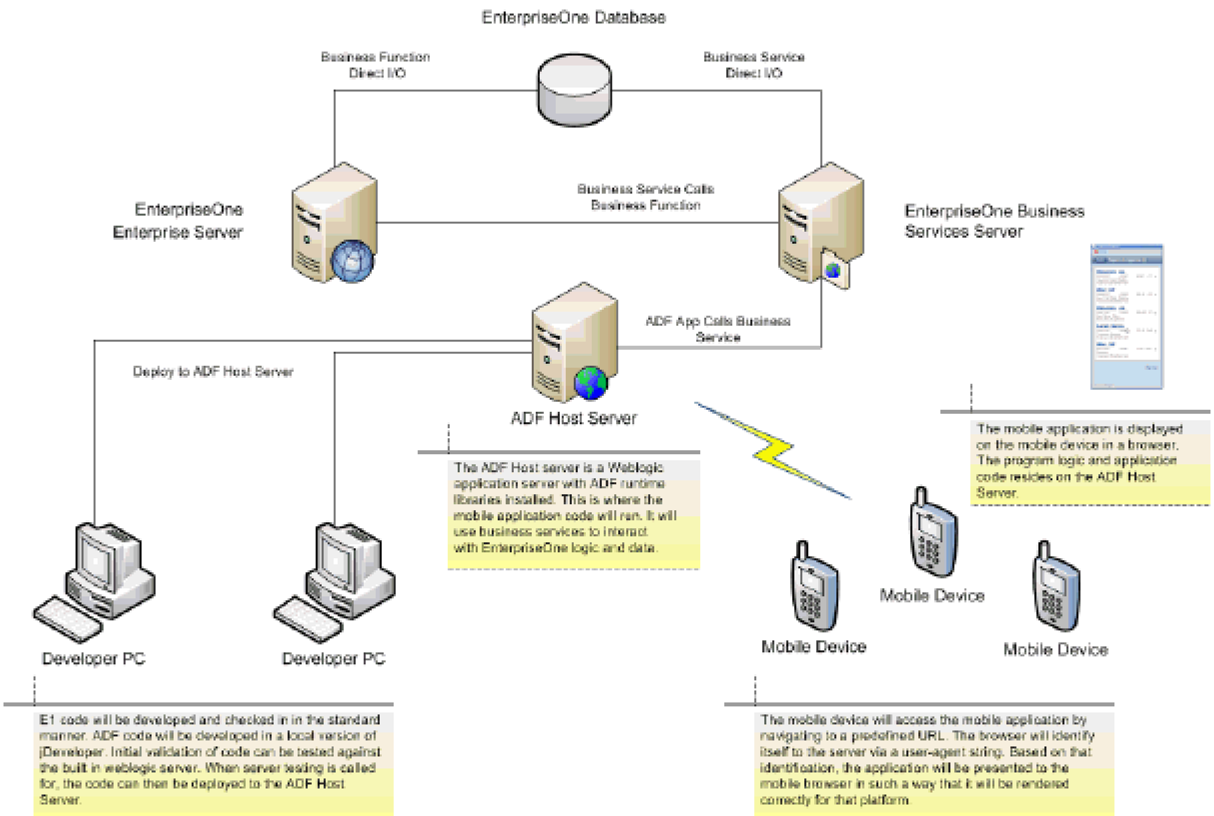
1.2.1 Oracle's ADF Mobile Technology

Oracle's ADF Mobile technology enables the creation of mobile applications that:

- Extend EnterpriseOne applications to mobile devices.
- Can be developed once, and deployed to multiple mobile device platforms.
- Are device native in their look and feel.
- Support database synchronization, web services, and transaction replay for communication with the server.
- Are secure, robust, and standards-based.

This graphic illustrates the ADF Mobile deployment model with JD Edwards EnterpriseOne mobile applications:

Figure 1–1 Mobile Application Deployment Model



For more information about Oracle's ADF Mobile, visit the Oracle Technology Network site, and search on *ADF Mobile*: `http://www.oracle.com/technetwork`

1.2.2 Supported Devices

Oracle supports the use of all JD Edwards EnterpriseOne mobile applications on these devices:

- IOS-based devices, such as the iPhone and iPad.
- Android devices.
- Blackberry devices on operating system level 6 or above.

1.2.3 Supported Languages

By default, all Oracle mobile applications that are built with ADF technology are deployed using English as the language. When a user launches a mobile application and signs in, the login service retrieves the user's language preference from their JD Edwards EnterpriseOne user profile. Language preference codes are stored in UDC table 01/LP.

If a translation bundle for that language exists, the mobile device displays the application using the user's preferred language. If no translation bundle exists for the specified language, the mobile device displays the application in English.

Note: The login page for the application will appear in the language that is set as the default language of the mobile device, provided that there is a translation bundle for that language. If no translation bundle exists for the language, the login page appears in English.

Currently, translation bundles for all EnterpriseOne mobile applications exist for these languages:

- English
- French
- German
- Arabic
- Czech
- Chinese Simplified
- Chinese Traditional
- Danish
- Dutch
- Finnish
- Greek
- Hungarian
- Italian
- Japanese
- Korean
- Norwegian
- Portuguese
- Polish
- Russian
- Spanish
- Turkish
- Swedish

1.2.4 Setting up Favorites and Shortcuts

After you deploy your mobile applications, users can configure their mobile devices with favorites, shortcuts, and icons. The EnterpriseOne mobile solutions have been delivered with Oracle graphics that are used when creating favorites and bookmarks.

Users can follow the instructions provided with their mobile device to set up their access points to the mobile applications.

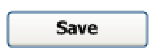
Note: When setting up favorites and shortcuts to EnterpriseOne mobile applications, you must set them up to point to the application's Home screen, and not the Log In screen.

1.3 Understanding the Mobile Application User Interface

JD Edwards EnterpriseOne mobile applications are developed using standards-based technology. This means that all of the applications share standard user interface objects. These objects behave in the same way through all of the EnterpriseOne mobile applications. This section discusses each of these user-interface objects in detail.

Oracle recommends that users review this section before using the mobile applications.

Mobile Application Object	Description and Usage
	Click the Add button to add a selected value to a list or form. This object appears next to items that you can add to a list or form.
	Click the Clear button to remove all values from the fields on the current form. The clear button is typically used on search or filter forms that are initially populated with default values. Clicking the Clear button clears the all user-entered and default values from all fields, and enables the user to enter new values.
	Click the Expand button to see additional detail about the specified record. When you click this button, the arrow points downwards, and any additional detail that is available is displayed on the screen. To collapse or hide this additional detail, click the button again.
	Click the Home button to return to the Home screen of the mobile application you are using.
	Use the Next and Previous arrow buttons to navigate up or down through a list of records. If you click the upward-facing arrow, the system brings you to the previous record in the list. If you click the downward-facing arrow, the system brings you to the next item in the list. If you are at the top of a list, the Previous button is disabled. If you are at the end of a list, the Next button is disabled.
	Click the Remove button to delete an existing item from a list. The button appears next to items that can be individually removed from a list or form.
	Click the Restore button to repopulate fields on a form with their pre-defined default values. When you click this button, the system removes any manually-entered values, and populates all fields with the default values (if available). If default values do not exist for a field, the system leaves the field blank.

Mobile Application Object	Description and Usage
	Use the Return To button to return to the previous screen within the application flow. The text on this button changes, depending on the name of the screen to which you will be redirected. For example, if clicking this button returns the user to the Home screen, the button text is Home. If clicking the button returns the user to a filter screen, the button text is Filter. Note that this button typically returns the user to the previous screen. However, when using the Item Base Price and Item Availability features in the mobile sales application, the button behaves in a slightly different manner. When using these features, users can move between the item availability and item price application flows. Therefore, the Return To button might not always bring you to the previous screen, but might bring you to the filter screen associated with the application flow. For example, if you jump from a pricing form to check item availability, you are moving from one application flow (item pricing) to another (item availability). Therefore, the Return To button on the item availability form will bring you to the item availability search form, which is the "previous" form within the item availability application flow. The button will not return you to the item price form.
	Click the Save button to save the data that you enter on a form.
	Click the Sign Out link to sign out of the current mobile application. This link appears at the bottom right of all mobile application forms.
	Use the Visual Assist button to access forms that enable users to search for valid values for the selected field. For example, you might find a Visual Assist button next to a Branch/Plant field that enables users to search for a valid branch/plant or business unit.

2
Setting Up Mobile Applications

This chapter contains these topics:

- Section 2.1, "Setting Up Versioning for Mobile Applications"
- Section 2.2, "Securing Mobile Applications"
- Section 2.3, "Using Workflow with Mobile Applications"

2.1 Setting Up Versioning for Mobile Applications

Each mobile application uses a program that defines certain information about the mobile application, and can also be used to set up versioning information. These programs begin with M, as opposed to P (for interactive programs), or R (for batch programs).

Current mobile programs include:

- M09E2011 - Mobile Expense Entry
- M4200010 - Mobile Sales
- M43081 - Mobile Purchase Order Approvals
- M43E82 - Mobile Requisition Approvals

Note: Currently the M43E82 has no processing options. Therefore, it is not necessary to set up any versioning information for this program.

Some of these programs have processing options that must be set to control data processing for the mobile application. Processing option details are documented in the chapter for each mobile solution.

You use the Mobile Configuration program (P98950M) to set up versioning information for mobile applications. You can define which versions of the mobile application each user in your organization will access when they log into a mobile application. You can set up one default version for all users, or you can set up multiple versions for different roles or for specific users.

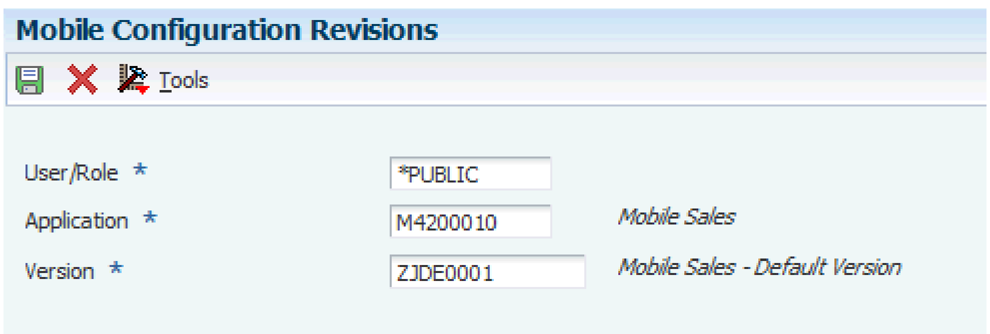
Note: You can not edit mobile configuration records. If you need to update a record, delete the record and enter a new record with the updated information.

2.1.1 Setting Up Version Information for Mobile Applications

This step cannot be completed on the mobile device, and must be completed in the EnterpriseOne system directly. Enter P98950M in the Fast Path field, and hit Enter to launch the Mobile Configurations program.

1. On the Work With Mobile Configurations form, click Add.
2. On the Mobile Configuration Revisions form, complete these required fields and then click OK:
   - **User/Role:** Enter the user ID or the role that you want to assign to a specific version of a mobile application. If you want all users of the application to use the same version, enter *PUBLIC in this field.
   - **Application:** Enter the mobile program for which you are setting up versioning. For example, enter M4200010 to set up versioning for mobile sales processing.
   - **Version:** Enter the version that you want the specified user or role to use when accessing the mobile application.

Figure 2–1 Mobile Configuration Revisions



2.2 Securing Mobile Applications

You use published business services security to secure your mobile applications. If you want a user to have access to a mobile application, you must authorize that user to use the published business services that are used by the mobile application. If a user does not have authorization to use the published business services, they can not use the mobile application.

By default, users are not set up with authority to access these business services. Therefore, you must grant authority to all users who you want to have access to the mobile applications.

This table lists the published business services used by each mobile solution:

Mobile Solution	Published Business Services
All Mobile Solutions	AuthenticationProvider (JPH90I01)
Expense Management	▪ ExpenseReportManager (JP09E000) ▪ WorkOrderManager (JP480000) ▪ JobCostManager (JP510000) ▪ FoundationEnvironmentManager (JP000000) ▪ AddressBookManager (JP010000)

Mobile Solution	Published Business Services
Purchase Order Approvals	ProcurementManager (JP430000)
Requisition Self Service Approvals	RequisitionSelfServiceManager (JP43E010).
Sales Inquiries	■ MobileSalesOrderManager (JP42M000) ■ InventoryManager (JP410000)

See:

- "Managing Published Business Services Security" in the *JD Edwards EnterpriseOne Tools Security Administration Guide.*

2.3 Using Workflow with Mobile Applications

If your organization uses workflow notifications for expense report or requisition approvals, you can set up workflow to include the mobile application URL in the notification email.

By including the URL directly in the notification email, users can access the mobile application that is used to review and approve the EnterpriseOne record directly from the email while on their mobile device.

You can set up workflow information for mobile expense report a, purcahse order, and requisition approvals. by modifying the data dictionary item that contains the text for the workflow notification.

For example, in EnterpriseOne Expense Management, when an approval message is set to an approver, th emessage originates with the workflow glossary data item LM09E1. The default text for this notification message is:

```
Expense Report &1 &2 has been submitted by employee &3. Your approval is
required for this expense report to be processed / reimbursed.
```

The following is an example of how you can modify this glossary text to include the mobile URL:

```
Expense Report &1 &2 has been submitted by employee &3. Your approval is
required for this expense report to be processed / reimbursed. To approve
from your mobile device use this link:
http://adfserver:port/ExpenseManagement/faces/home.jspx
```

This list identifies the glossary items to update for each mobile application:

- For expense report approval notifications, update glossary item LM09E01.
- For purchase order approvals, update glossary item LM0016.
- For requisition approvals, update glossary items LM002E and LM0016E.

See Also:

- *JD Edwards EnterpriseOne Tools Workflow Tools Guide*

3

Using the Mobile Menu (Release 9.1 Update)

This chapter discusses these topics:

- Section 3.1, "Mobile Menu Overview"
- Section 3.2, "Prerequisites"
- Section 3.3, "Accessing Mobile Applications From the Mobile Menu"

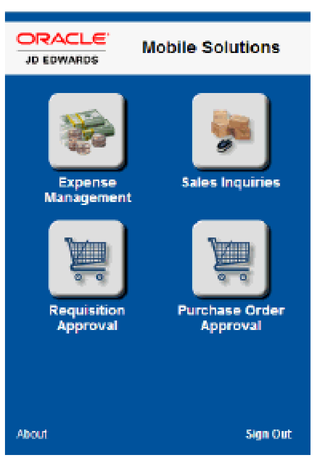
3.1 Mobile Menu Overview

The Mobile EnterpriseOne Menu application (M0001) enables users to have a single launch icon on their mobile device. Users can tap this icon, sign in, and then access all EnterpriseOne mobile applications they are authorized to use.

Once signed into the Mobile EnterpriseOne Menu application, the system displays icons for all authorize EnterpriseOne mobile apps. The user can tap the icon to launch the application, and the system directs the user to the application's home screen.

This image illustrates an example of what the Mobile EnterpriseOne Menu application home screen might look like to a user:

Figure 3–1 Mobile Solutions Screen



Note: Use of the Mobile Menu is optional. Users can deploy individual mobile applications without the Mobile Menu application. If not using the Mobile Menu, users must sign into each JD Edwards EnterpriseOne mobile application that they access from their mobile device.

The names of the individual icons on the Mobile Solutions screen are taken from the translated name of the individual applications, based on the signed-in user's language preference. For example, if the signed-in user's language is English, the names of the icons will be taken from the English translation bundle for the available applications. These names are not user-configurable.

Note: If the user has only a single mobile application available, the system directs the user to the home screen of that application upon initial sign in to the Mobile EnterpriseOne Menu application. The system does not display an icon for the single application.

3.1.1 Mobile Menu Data Flow

This list describes the data flow when using the Mobile Menu application to access other mobile applications:

1. The user launches the Mobile Menu application from their mobile device and enters their sign on credentials.
2. The getUserProfile operation (J0000080) is called to retrieve the language preference from the EnterpriseOne database for the signed-on mobile applications user.
3. The Menu application queries the Java Argument 'DEPLOYED_APPS' to get a listing of applications that the administrator intends to be displayed on the menu. If an application is configured, but not deployed the application displays an error.
4. The Menu accesses the servlet hosted by each of the configured applications to get that applications display information, which includes the icon, translated name, and application ID.
5. The Menu application compares each application ID with the list of authorized applications for the signed-on user, and removes unauthorized applications from the display.
6. The Menu application generates links and formats the information to be displayed on the Menu page. If only one configured application exists, the application navigates to that application's home screen.

3.2 Prerequisites

Before you can use the Mobile EnterpriseOne Menu application to sign into other mobile applications, you must configure your system correctly.

See:

What's New in Release 9.1.0.3 and About the Deployment of EnterpriseOne 9.1.0.3 Mobile Applications in the Mobile Applications Installation and Configuration Guide.

3.3 Accessing Mobile Applications From the Mobile Menu

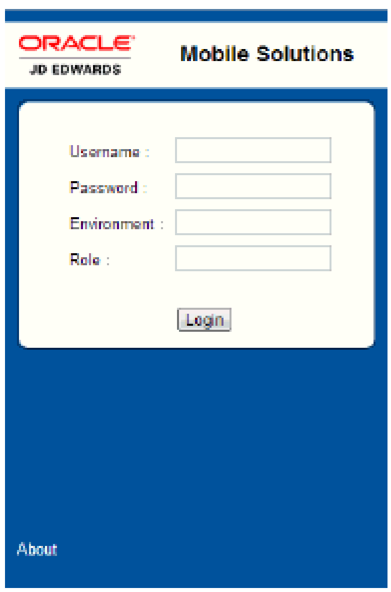
To access mobile applications from the Mobile EnterpriseOne Menu application:

1. Launch the Mobile Menu application by selecting the mobile menu icon from your mobile device.
2. Complete these fields:
   - User Name
   - Password
   - Environment
   - Role

   Contact your system administrator to determine the appropriate values to enter in these fields.

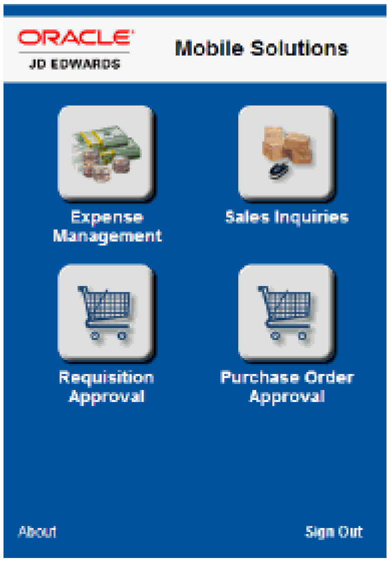
   > **Note:** If you downloaded the application from the Google Play or Apple Store, you must enter configuration information during your initial log in.
   >
   > See

Figure 3–2 Mobile Solutions Screen



3. Tap the Login button.
4. From the Mobile Solutions screen, tap the icon of the mobile application you want to launch.

Figure 3–3 Mobile Solutions Home Screen



Note: If only one mobile application is available, the system automatically directs you to that application's home screen, and does not display the icon for the application.

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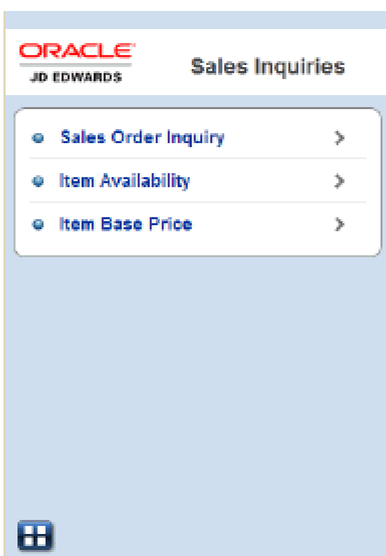
5. To return to the Mobile Solutions screen to launch another application, or to sign out, tap the (menu) button. This graphic illustrates a form with the menu button:

Figure 3–4 Sales Inquires Screen With Menu Button



Note: The  (menu) button is not available on all screens within each mobile application. In some instances, you must use the navigation buttons within the application to return to a screen where there is no unsaved data before the menu button is made available to you.

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6. To sign out of all JD Edwards EnterpriseOne mobile applications, tap Sign Out.

4 Configuring Log In Information (Release 9.1 Update)

This chapter discusses:

- Section 4.1, "Log In Configuration Overview"
- Section 4.2, "Configuring Apple Devices"
- Section 4.3, "Configuring Android Devices"

4.1 Log In Configuration Overview

Note: If you downloaded your mobile applications from the Google Play Store or Apple App Store, you must complete the tasks listed in this chapter. If you did not download your applications, these tasks are not required.

After downloading the JDE Mobile application from the Apple App Store (iOS) or from Google Play (Android), the user must configure the application during initial log in to connect to the mobile application server where the ADF mobile applications are deployed.

Contact your system administrator to get the configuration server to address needed to perform the configuration. This server is the http or WebDAV server that contains a connections.xml file. The ADF server where the mobile applications are deployed is referenced inside the connections.xml file. Do not attempt to configure the application with the URL of the ADF server.

4.2 Configuring Apple Devices

This section discusses how to enter initial configuration information, and how to change configuration information on an Apple device.

4.2.1 Entering Configuration Information for Apple Devices

Complete these steps to configure your Apple device during the initial log in:

1. Launch the mobile application.
2. On the Configuration screen, complete these fields and then tap Connect:
    - User Name

- Password
- Server

  Contact your system administrator for the value to enter in this field.

3. The system displays the standard log in screen. Complete these fields to log into the mobile application:
   - User Name
   - Password
   - Environment
   - Role

You complete these steps only once. After completing these steps, the system does not display the Configuration screen during subsequent log in attempts.

4.2.2 Updating Configuration Information for Apple Devices

If the configuration information changes after your initial log in, you can update the information on your device by completing theses steps:

1. Select the Settings option on your device.
2. From the Application Settings area, select JDE Mobile.
3. Change the value in the URL field to the new server location.
4. Return to the JD Edwards Mobile application. When you access the application, the Configuration screen appears, including the updated url. If necessary, enter the user credentials, and tap Connect.
5. The application will attempt to connect to the server. If successful, you will be asked to shut down the application. Tap the Shut Down button.
6. Launch the mobile application again, and log on with your standard credentials.

4.3 Configuring Android Devices

This section discusses how to enter initial configuration information, and how to change configuration information on an Android device.

4.3.1 Entering Configuration Information for Android Devices

Complete these steps to configure your Android device during the initial log in:

1. Launch the mobile application.
2. On the Configuration screen, complete these fields and then tap Connect:
   - User Name
   - Password
   - Server

     Contact your system administrator for the value to enter in this field.
3. The system displays the standard log in screen. Complete these fields to log into the mobile application:
   - User Name

- Password
- Environment
- Role

You complete these steps only once. After completing these steps, the system does not display the Configuration screen during subsequent log in attempts.

4.3.2 Updating Configuration Information for Android Devices

If the configuration information changes after your initial log in, you can update the information on your device by completing theses steps:

1. Launch the JD Edwards mobile application, and select the Menu button on your device.
2. Select Preferences when it appears at the bottom of your screen.
3. Select URL, and then change the value in the URL field to the new server location. Click OK.
4. Use the Back feature to return to the JD Edwards Mobile application. The Configuration screen appears, including the updated url. If necessary, enter the user credentials, and tap Connect.
5. The application will attempt to connect to the server. If successful, you will be asked to shut down the application. Tap the Shut Down button.
6. Launch the mobile application again, and log on with your standard credentials.

5

Mobile Expense Management

This chapter contains these topics:

- Section 5.1, "Understanding Mobile Expense Management Functionality"
- Section 5.2, "Configuring Mobile Expense Management"
- Section 5.3, "Searching for Expense Reports"
- Section 5.4, "Approving and Rejecting Expense Reports"
- Section 5.5, "Entering a New Expense Report"
- Section 5.6, "Editing an Existing Expense Report"

5.1 Understanding Mobile Expense Management Functionality

You use the Mobile Expense Management application to enable managers and expense report approvers in your organization to review, approve, and reject expense reports on a mobile device when they are away from the office. Employees can also use this application to enter, edit, and review their own expense reports using their mobile devices.

The Mobile Expense Management application gives users the ability to:

- Review all expense reports that are currently awaiting their approval.
- (Release 9.1 Update) View photographs of receipts that are associated with a report.
- Approve or reject an expense report that is awaiting their approval.
- Enter comments when rejecting a report.
- Search for and review old expense reports of subordinate employees.
- Enter new expense reports.

  When entering new expense reports, you can:

  - Enter summary receipt expenses.
  - Enter split receipts by job, business unit, or work order.
  - Add credit card transactions to the report.
  - (Release 9.1 Update) Attach photographs of receipts or other documents to a report.
- Review and edit their own expense reports that are currently at an editable status.
- Search for and review their own old expense reports.

The Mobile Expense Management application uses the Mobile Expense Management Processing Options program (M09E2011) to identify which version of the Expense Report Review/Entry program (P09E2011) the mobile device uses when processing expense report information. You can set up multiple versions of this program, and assign them to different employees or roles within your organization.

See Also:

- "Setting Up Processing Options for the Expense Entry Program" in the *JD Edwards EnterpriseOne Applications Expense Management Implementation Guide.*

5.1.1 Understanding the Home Screen Charts

When you log into the Mobile Expense Management application on your mobile device, the system displays a chart that graphically identifies the percentage of reports that are at different stages in the expense management process.

When you log into the application, you will see one of these charts:

- My Employees' Active Reports

  The system displays this chart for managers whose employees have reports.

- My Active Reports

  The system displays this chart for non-managers, or for managers whose employees do not have any active reports.

If the manager or the manager's employees currently do not have any reports, the system does not display a chart.

The chart is divided into four possible segments:

- Employee

  This segment includes reports with a status of 199 or lower.

- Auditor

  This segment includes reports with a status of 200 through 299.

- Approver

  This segment includes reports with a status of 300 through 399.

- Reimbursement

  This segment includes reports with a status of 900 through 949.

Reports that have already been reimbursed are not included in the chart. Expense report status codes are listed in UDC table 09E/RS.

5.1.2 Accessing Mobile Expense Management Using the Mobile Menu (Release 9.1 Update)

The Mobile EnterpriseOne Menu application (M0001) is now available as part of the JD Edwards EnterpriseOne mobile solution set. This application enables users to access all JD Edwards EnterpriseOne mobile applications from a single point of entry. This application also enables users to sign in only one time, and access all available mobile applications.

If your organization uses the Mobile EnterpriseOne Menu application to deploy your mobile applications, the user interface of the application will look slightly different than it appears in the screens shown in the following documentation in this chapter. Those differences include:

- Screen Logo and Banner

  The logo and banner at the top of many forms has been updated.

- Menu Button

  Many screens now include the (menu) button. This button enables the user to return to the Mobile Solutions screen where they can launch other mobile applications, or sign out of all mobile applications they have accessed.

- Signing Out

  If you are accessing your application from the Mobile EnterpriseOne Menu application, you will no longer have Sign Out links within each application. Instead, you must return to the Mobile Solutions Home screen by clicking the menu button (described above), and then click the Sign Out link. Using this link logs the user out of all available EnterpriseOne mobile applications.

5.1.3 Understanding Photo Attachments (Release 9.1 Update)

Mobile Expense Management users can now use the camera on their mobile device to take photographs of receipts or other documents, and attach those photos to the expense report. Managers can also view these photos when reviewing and approving expense reports using a mobile device. These features enable users to quickly and easily submit receipts or other documents for the expenses listed on their expense reports, while enabling managers to quickly review and approve the reports.

Note: To use the full functionality of the photo attachment feature, the Mobile Expense Management application must be deployed as described here:

- The ADF application must be configured to run on a JAX-WS business service deployment for users to view or attach photos to an expense report.

  JAX-WS business services must be deployed with Tools Release 9.1.2.4 or higher.

- The mobile user must download the *JD Edwards EnterpriseOne Mobile Applications* application onto their mobile device using the Google Play store or the Apple App Store.

  The icon for this application is titled *JDE Mobile.* The user must access the expense application using this icon.

- The device must be an Android or iOS-based device to support attachment capabilities. Photos can be viewed on any supported mobile device.

Be aware that photo review is available for users in a JAX-WS business service deployment who do not use the JDE Mobile application downloaded from the Google Play store or Apple App Store. Photo capture and attachment is available ONLY when the application is accessed via the downloaded JDE Mobile application and the mobile system is using a JAX-WS deployment.

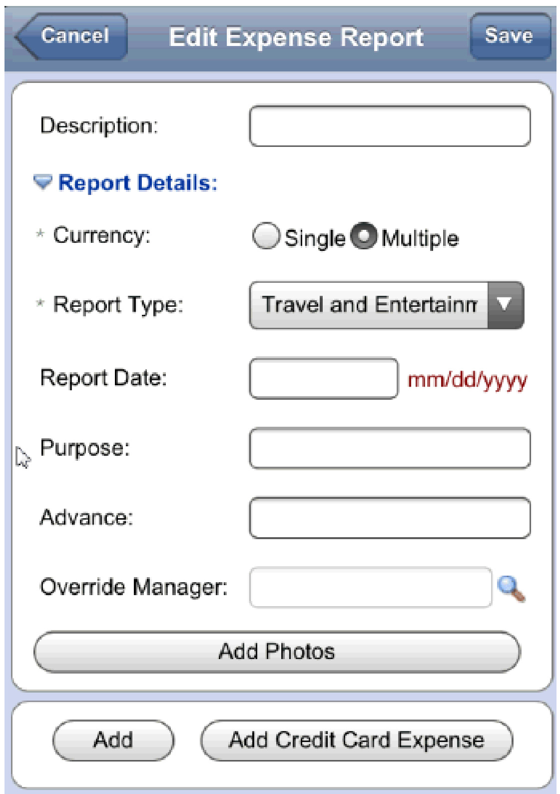
See:

What's New in Release 9.1.2 and About the Deployment of EnterpriseOne 9.1.2 Mobile Applications in the Mobile Applications Installation and Configuration Guide.

Users can attach photos at the report level, or at the individual expense level, depending on the processing option settings for the Mobile Expense Management program (M09E2011). Whether you enable report-level receipt photos depends on the expense report policies of your organization.

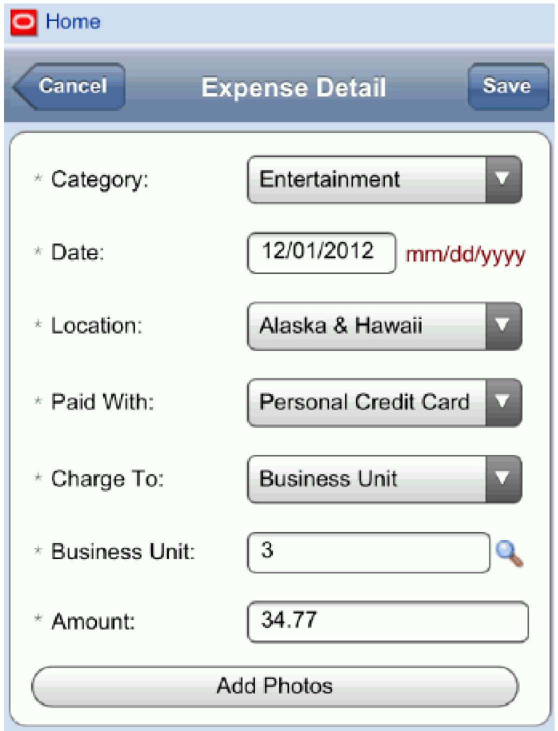
You use the Add Photos button on the Edit Expense Report screen to add photos at the report level, as shown here:

Figure 5–1 Edit Expense Report screen - Add Photos Button



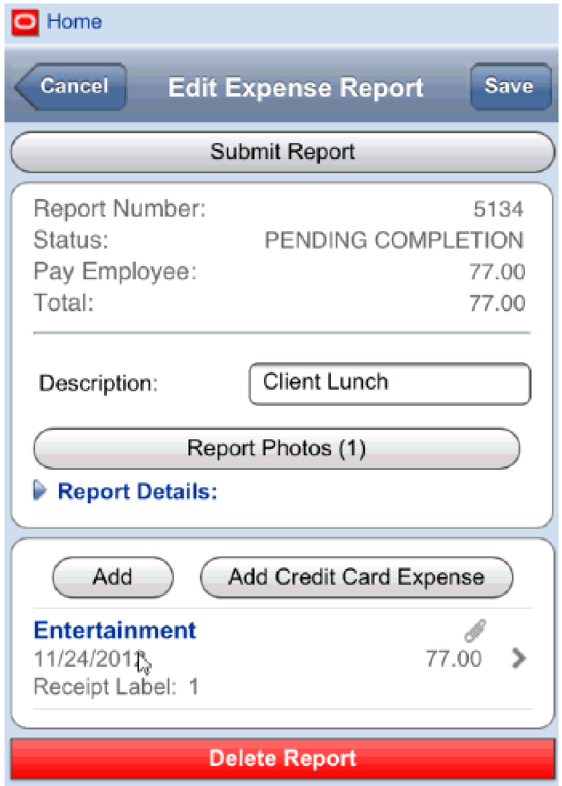
Similarly, you use the Add Photos button on the Expense Detail form to add a photo to an individual expense, as shown here:

Figure 5–2 Expense Detail - Add Photos Button



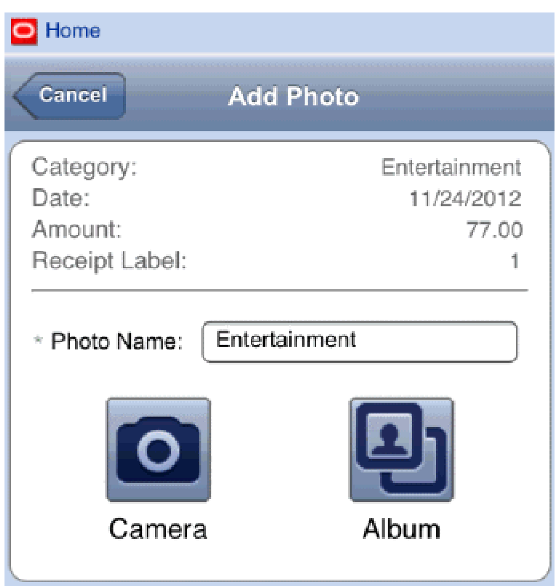
Users can attach photos to expense reports as they enter the report, or they can retrieve a previously entered report and then attach photos to the report. After you add photos at the report level, the Add Photos button becomes the Report Photos (#) button, displaying the number of photos available at the report level. Similarly, the Add Photos button on the Expense Detail form becomes the Photos (#) button, displaying the number of photos attached to that expense. This image shows an example of the Report Photos (#) button, indicating that there is one report-level photo attached to the report:

Figure 5–3 Edit Expense Report - Report Photos Button



To capture a photo of a receipt or othre document, you use the mobile device's camera. Users can capture and immediately attach a photo using the device camera by tapping the Camera button, or they can select existing photos from the gallery by tapping the Album button, as shown here:

Figure 5–4 Add Photo - Camera and Album Buttons



When you add a report-level photo, you can manually name the photo, or the system uses the default name of Photo #, where the number increments with each report-level photo you attach. For example, the default name for the first report-level photo is Photo 1.

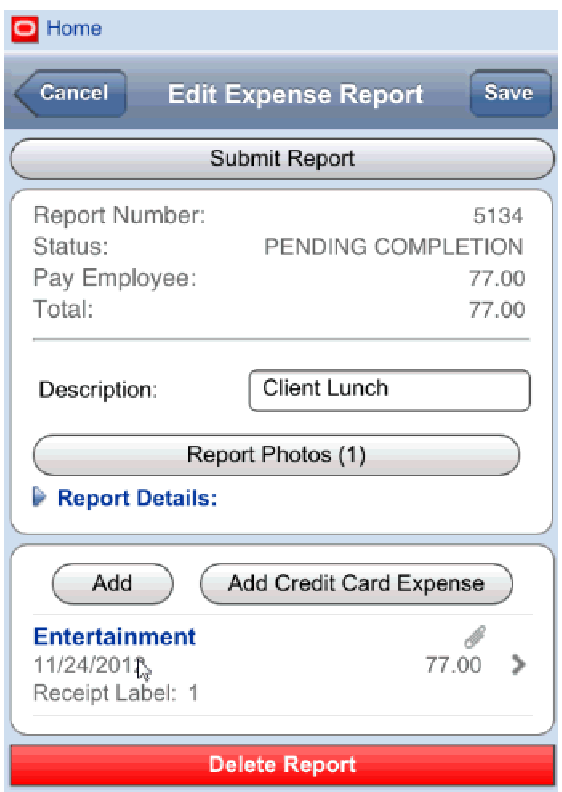
When you attach a photo to an expense, you can manually name the photo, or you can let the system assign a default file name. The system uses the expense category as the default file name for expense-level photos. For example, the default name for the photo associated with an entertainment expense is Entertainment.

Note: If you are using an iOS-based device, the photos taken from the expense application are stored within the expense report, and not in the photo gallery on the device. When using an Android device, the photos are stored within the report and also in the device's photo gallery.

For Android users, once you attach the photos to the expense report, and save the report, you can then delete the photos from the device's gallery.

When an individual expense item on a report contains receipt photos, the system displays a paper clip icon to notify the user that photos are attached to that expense. In the following example, one or more photo attachments are associated with the expense labeled "Entertainment", which is noted by the paper clip icon displayed above the expense amount:

Figure 5–5 Edit Expense Report - Report Photos Button

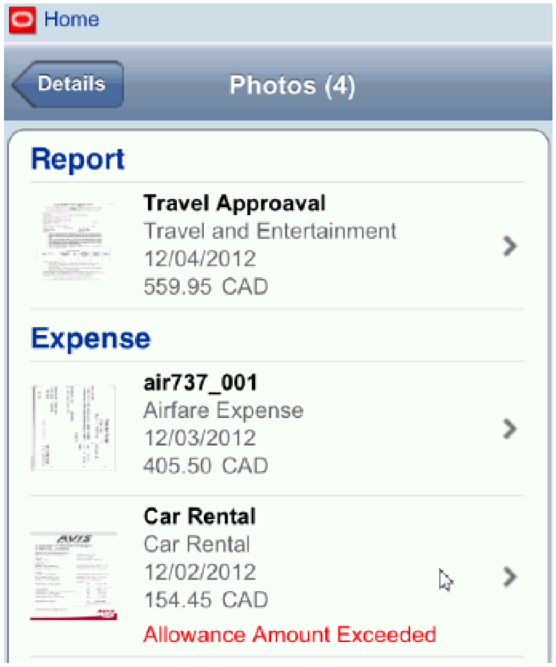


After you attach photos to your expense report and submit the report, managers can then review your report, and also view the photos attached to the report. When a manager accesses a report that includes photo attachments, there are several indicators on the Report Details screen that notify the manager that photos are available for their review. First, the Photos (#) button appears on the form if photos are available, indicating the number of photos available. Additionally, a photo icon appears next to each individual expense that includes photo attachments. The following screen shows these indicators:

Figure 5–6 Report Details - Photo Indicators

Managers can tap the Photos (#) button to view all photos associated with the report. The system displays the Photos (#) form, and lists report-level photos under the Report heading, and lists the expense-level photos, by expense, under the Expense heading, as shown here:

Figure 5–7 Photos (4)



Managers can also tap the photo icons associated with an individual expense to view just the photos for that expense item. Managers view photos for their subordinates' reports, but cannot delete or edit the photos attached to the report.

5.1.4 Understanding Mobile Expense Data Flows

The Mobile Expense Management application uses business services to pass data between the JD Edwards EnterpriseOne database and the user's mobile device. The following sections describe the data flow for each piece of functionality offered by the Mobile Expense Management application.

Note: (Release 9.1 Update)

The launch and sign-in portion of the following data flows do not include use of the Mobile EnterpriseOne Menu application, which enables users to sign into all available JD Edwards EnterpriseOne mobile applications with a single sign-in. For information on the Mobile EnterpriseOne Menu data flow, see Chapter 3, "Using the Mobile Menu (Release 9.1 Update)."

See Also:

- Section A.1, "Mobile Expense Management Business Services."

5.1.4.1 Mobile Expense Report Review and Approval Data Flow

Using the Mobile Expense Management application, users can review, approve, and reject expense reports that are currently awaiting their approval. This list describes the flow of data during the expense approval process:

1. The user launches the Mobile Expense Management application from their mobile device and enters their sign on credentials.

> **Note:** (Release 9.1 Update)
>
> If you downloaded the JDE Mobile application from your device's application store in order to use photo attachment functionality, you must enter user name, password, and server location the first time you attempt to log in.

2. The getExpenseManagementEmployeeProfile operation (J09E0002) passes the user ID to the GetMobileVersionForUser business function (B0001400), which retrieves the specified version of the M09E2011 for the signed-on user. Additionally, the GetMobileExpenseProcessingOptions business function (B09E0150) retrieves the appropriate version of the P09E2011, as defined in the retrieved version of the M09E2011. Finally, the GetExpManProcessingOptions business function (B09E130) retrieves the processing option values from the specified version of the P09E2011. These values are used to process expense data for the signed-on user.

   (Release 9.1 Update) If the user has installed the update that includes photo attachments, the getExpenseManagementEmployeeProfileV2 is used, which includes information about whether photo attachments are allowed, and where.

3. The user either selects the Approve Expense Reports menu option, or taps the Approver piece of the graphical chart that appears on the Home screen.

4. The ExpenseReportManager published web service (JP09E000) calls the getExpenseManagementEmployeeProfile web service operation (J09E0002), which retrieves the following information from the EnterpriseOne database:

   - The user's address book number from the F0092 table.
   - The user's date format from the F00921 table.
   - The user's language preference from the F00921 table.
   - The user's name from the F0101 table.
   - The user's expense profile from the F20103 table.
   - All F09E109 records for the signed-on users policy.

5. The ExpenseReportManager then calls the getExpenseReportsToApprove web service method (J09E0001), which retrieves all of the expense reports that are currently awaiting the approval of the signed-on user.

6. The user can then review header and detail information for each report that is displayed.

   (Relase 9.1 Update) The user can also review photos that the employee has attached to the report. The getExpenseReportAttachments method (J09E0008) retrieves any available attachments.

7. After reviewing the report, the user can then reject or approve the report. If rejecting the report, the user can also enter a comment to explain the reason for the rejection.

8. The ExpenseReportManager then calls the approveExpenseReport or rejectExpenseReport web service method (J09E0003), based on whether the user approves or rejects the report.

9. An e-mail or work center message is sent to the employee with the status of their report, and any comments that were entered if the report is rejected.

10. The J09E0003 then calls the Process Expense Reports business function (B09E0074), which locks the record in the Expense Report Header table (F20111).
11. The B09E0074 updates the F20111 with the new status and the user ID of the person updating the record.
12. After the record in the F20111 is updated, it is unlocked, and the report is removed from the list of expense reports awaiting approval on the mobile device.

5.1.4.2 Mobile Expense Report Entry Data Flow

Using the Mobile Expense Management application, users can enter new expense reports for themselves using a mobile device. This list describes the flow of data during the expense entry process:

1. The user launches the Mobile Expense Management application from their mobile device and enters their sign on credentials.

   Note: (Release 9.1 Update)

   If you downloaded the application from your device's application store, you must enter user name, password, and server location the first time you attempt to log in.

2. The getExpenseManagementEmployeeProfile operation (J09E0002) passes the user ID to the GetMobileVersionForUser business function (B0001400), which retrieves the specified version of the M09E2011 for the signed-on user. Additionally, the GetMobileExpenseProcessingOptions business function (B09E0150) retrieves the appropriate version of the P09E2011, as defined in the retrieved version of the M09E2011. Finally, the GetExpManProcessingOptions business function (B09E130) retrieves the processing option values from the specified version of the P09E2011. These values are used to process expense data for the signed-on user.

   (Release 9.1 Update) If the user has installed the update that includes photo attachments, the getExpenseManagementEmployeeProfileV2 is used, which includes information about whether photo attachments are allowed, and where.
3. The user selects the Add/Edit Expense Reports menu option from the Expense Management Home screen.
4. The ExpenseReportManager published web service (JP09E000) calls the getExpenseManagementEmployeeProfile web service operation (J09E0002), which retrieves the following information from the EnterpriseOne database:
   - The user's address book number from the F0092 table.
   - The user's date format from the F00921 table.
   - The user's language preference from the F00921 table.
   - The user's name from the F0101 table.
   - The user's expense profile from the F20103 table.
   - All F09E109 records for the signed-on user's policy.
5. The ExpenseReportQueryProcessor web service operation (J09E0001) retrieves all current expense reports at an editable status for the signed-on user, and displays them on the My Expense Reports screen.
6. On the My Expense Reports screen, the user presses the Add button.

7. The user enters header information about the report.

> **Note:** Depending on processing option settings, the user might have the ability to complete these tasks at the report level:
>
> - Complete the Override Manager field.
>
>   The Override Manager field appears in the header of the report only if the processing options of the selected version of the P09E2011 are set to enable the manager to be overridden. If the user searches for a valid value for this field, the lookupAddressBook operation (J0100009) retrieves valid values from the EnterpriseOne database.
>
> - Attach photos to the report. (Release 9.1 Update)
>
>   If the user is allowed to attach photos at the report level, the processExpenseReportAttachment method (J09E0009) adds the photos to the report when the user captures a new photo or selects an existing photo to add to the report.

8. The user can then add expense items to the report using one of these options:

   - Press the Add button.
   - Press the Add Credit Card Expense button.

     This option appears only if credit card expense functionality is enabled. The getCreditCardTransactions operation (J09E0004) retrieves all available credit card transactions from the EnterpriseOne database.

   Be aware that when the user clicks Add or Add Credit Card Expense, the system automatically saves the header data that the user has entered before moving to the next screen.

   The processExpenseReportHeader method (J09E0005) inserts, updates, or deletes the expense in the F20111.

9. The user enters details about each expense item on the Expense Details form.

   If your mobile application is configured to use expense policies, the getExpenseManagementPolicy operation (J09E0007) retrieves any available policy information, based on the detailed information entered by the user.

   (Release 9.1 Update) If your mobile application is deployed to utilize photo attachments, and the system has been set up to enable users to attach photos at the expense level, users can attach photos of receipts or other documents to each expense item. Users can attach existing photos from the device’s photo gallery, or create new photos using the camera capture option. The processExpenseReportAttachment method (J09E0009) adds the photos to the expense when the user attaches a photo to the expense.

10. While entering expense item details, users can search for valid values for these fields:

    - Business Unit

      The lookupBusinessUnits operation (J0000040) retrieves values matching the specified search criteria from the EnterpriseOne database.

    - Work Order

The lookupWorkOrder operation (J4800001) retrieves values matching the specified search criteria from the EnterpriseOne database.

- Job Cost

  The lookupJobCost operation (J5100001) retrieves values matching the specified search criteria from the EnterpriseOne database.

- Currency Code

  Users can select a value from the drop down list. Values in the drop down list are populated by the lookupCurrencyCodes operation (J0000060).

11. The user presses Save to add the expense item to the expense report. The processExpenseReportDetail method (J09E0005) is called to insert, update, or delete the expense in the F20112 table in the EnterpriseOne database.
12. The user continues to add expense items to the report. Once all items have been entered, the user presses the Submit Report button.
13. The reserveExpenseReport method (J09E0005) reserves the record in the EnterpriseOne database, and the processExpenseReportHeader and processExpenseReportDetails methods (both J09E0005) commit the expense data to the F20111 and F20112 tables in the EnterpriseOne database. The submitExpenseReport method (J09E0005) initiates the expense workflow process, which changes the status of the report to the next status in the workflow. Finally, the releaseExpenseReport method (J09E0005) releases the record reservation.

5.1.4.3 Mobile Expense Report Edit Data Flow

Using the Mobile Expense Management application, users can edit their existing reports, provided the reports are at an editable status. This list describes the flow of data during the expense report edit process:

1. The user launches the Mobile Expense Management application from their mobile device and enters valid user credentials.

   Note: (Release 9.1 Update)

   If you downloaded the application from your device's application store, you must enter user name, password, and server location the first time you attempt to log in.

2. The getExpenseManagementEmployeeProfile operation (J09E0002) passes the user ID to the GetMobileVersionForUser business function (B0001400), which retrieves the specified version of the M09E2011 for the signed-on user. Additionally, the GetMobileExpenseProcessingOptions business function (B09E0150) retrieves the appropriate version of the P09E2011, as defined in the retrieved version of the M09E2011. Finally, the GetExpManProcessingOptions business function (B09E130) retrieves the processing option values from the specified version of the P09E2011. These values are used to process expense data for the signed-on user.
3. The user selects the Add/Edit Expense Reports menu option from the Expense Management Home screen.
4. The ExpenseReportManager published web service (JP09E000) calls the getExpenseManagementEmployeeProfile web service operation (J09E0002), which retrieves the following information from the EnterpriseOne database:
   - The user's address book number from the F0092 table.

- The user's date format from the F00921 table.
- The user's language preference from the F00921 table.
- The user's name from the F0101 table.
- The user's expense profile from the F20103 table.
- All F09E109 records from the signed-on users's expense policy.

5. The ExpenseReportQueryProcessor web service operation (J09E0001) retrieves all current expense reports at an editable status for the signed-on user, and displays them on the My Expense Reports screen.
6. On the My Expense Reports screen, the user selects a report to edit.
7. The reserveExpenseReport method (J09E0006) is called, to reserve the record. This record cannot be edited using the P09E2011 application while the reservation is there.
8. If necessary, the user updates the header information and/or selects expense items to edit. The processExpenseReportHeader method (J09E0005) updates any header record information in the F20111 table in EnterpriseOne.
9. (Release 9.1 Update) If using photo attachment functionality, the user can add photos to, or delete photos from the report or to the individual expenses. The processExpenseReportAttachment method (J09E0009) processes changes related to the photos.
10. The user updates the selected expense item, and then presses Save.

    Note: You cannot edit the value in the Category field. To update this value, you must delete the current record and enter a new record with the correct category. Additionally, you cannot update the rate on a split expense. To change the rate, you must delete the existing expense and enter a new expense.

11. After editing all necessary data, the user presses Save on the Edit Expense Report screen. The processExpenseReportDetail (J09E0005) updates the F20112 table in EnterpriseOne.
12. Finally, the releaseExpenseReport method (J09E0005) releases the record reservation.

5.1.4.4 Mobile Expense Report Search Data Flow

1. The user launches the Mobile Expense Management application from their mobile device and enters valid user credentials.

    Note: (Release 9.1 Update)

    If you downloaded the application from your device's application store, you must enter user name, password, and server location the first time you attempt to log in.

2. The getExpenseManagementEmployeeProfile operation (J09E0002) passes the user ID to the GetMobileVersionForUser business function (B0001400), which retrieves the specified version of the M09E2011 for the signed-on user. Additionally, the GetMobileExpenseProcessingOptions business function (B09E0150) retrieves the

appropriate version of the P09E2011, as defined in the retrieved version of the M09E2011. Finally, the GetExpManProcessingOptions business function (B09E0130) retrieves the processing option values from the specified version of the P09E2011. These values are used to process expense data for the signed-on user.

3. The user selects the Search Expense Reports menu option from the Expense Management Home screen.
4. The ExpenseReportManager published web service (JP09E000) calls the getExpenseManagementEmployeeProfile web service operation (J09E0002), which retrieves the following information from the EnterpriseOne database:
   - The user's address book number from the F0092 table.
   - The user's date format from the F00921 table.
   - The user's language preference from the F00921 table.
   - The user's name from the F0101 table.
   - The user's expense profile from the F20103 table.
   - All F09E109 records from the signed-on users's expense policy.
5. On the Search Reports screen, the user enters search criteria and then presses Search.

   The user can select the My Reports option to search for only their reports. If the user does not select this option, the system returns reports of the user, and the user's subordinate employees that match the search criteria.
6. The system returns a list of reports that meet the search criteria. The user can select a report to review. If the report is awaiting approval by the user, the user can approve or reject the report.

> **Note:** Users cannot edit an expense report from the search screen, as the results that are returned during the search are read-only. To edit a report, the user must return to the home screen and select the Add/Edit option.

5.1.5 Prerequisite Knowledge and Data Requirements

Before you use the Mobile Expense Management application, Oracle strongly recommends that you have a solid understanding and working knowledge of the JD Edwards EnterpriseOne Expense Management system.

All users of the Mobile Expense Management application must also have a valid employee profile set up in the Expense Management system.

Additionally, if you want managers to approve reports using their mobile devices, you must set up the Expense Management system to enable users to approve expense reports for their employees. Users who want to approve expense reports using their mobile device must also be designated as the manager of subordinate employees. When these subordinate employees enter expense reports, the manager can use the Mobile Expense Management application to review, approve, or reject the reports.

(Release 9.1 Update) If you are using photo attachment functionality, you must be familiar with your mobile device's camera and photo gallery. For additional information about these features, see the documentation provided by your mobile device provider.

See Also: These topics in the *JD Edwards EnterpriseOne Applications Expense Management Implementation Guide*:

- "Getting Started With JD Edwards EnterpriseOne Expense Management"
- "Setting Up the Expense Management System"
- "Setting Up Employee Profiles"
- "Revising and Approving Expense Reports"

You must set up one or more versions of the Mobile Expense Management Processing Options program (M09E2011). This program contains processing options that you use to define the version of the P09E2011 that is used by the mobile application.

You can set up multiple versions of this program if you want different users to use different versions.

See:

- Section 2.1, "Setting Up Versioning for Mobile Applications."

5.1.6 Solution Assumptions and Constraints

Mobile applications are typically intended to be a scaled-down version of a larger application that is available in the base software. Therefore, most mobile applications offer a subset of the functionality that is available in the base software.

This table lists and explains the solution assumptions and constraints associated with mobile expense management functionality:

Issue	Description
Connectivity to the network	The ability to review and approve or reject expense reports on a mobile device is supported only if the user is able to sign in and connect to the JD Edwards EnterpriseOne system. This functionality does not enable users to access expense reports when not connected to the network.
Audit role	You can set up the basic Expense Management system to enable employees in your organization to audit expense reports once they have been approved. Auditors can not use the Mobile Expense Management application to audit expense reports. However, if a manager approves the expense report using the mobile application and the auditing functions are set up, the auditor can use the standard EnterpriseOne system to perform their audit.

Issue	Description
Retrieving UDC values	Some of the values that the mobile expense management process uses are retrieved from UDC tables in the EnterpriseOne database. The getUDC operation (J000030) retrieves these UDC values. If the business service property for maximum values allowed is set to a number lower than the number of valid values in a UDC table, the mobile application does not display all values. For example, if the UDC 09E/EC (Expense Category) has 100 values, and the business service property is set to allow only 50 results to be returned, the user will only be able to select from the first 50 values in the UDC table when using the mobile application. To ensure that all UDC values are available to mobile users, set the business service property for this operation to a number that is high enough to allow all values to be displayed. The Mobile Expense Management application retrieves values from these EnterpriseOne UDC tables: ■ 09E/RS - Report Status ■ 09E/RT - Report Type ■ 09E/EC - Expense Category ■ 09E/EL - Expense Location ■ 09E/PM - Payment Method ■ 09ECT - Charge To ■ 00/TY - Work Order Type ■ 00/SS - Work Order Status ■ 09E/PH - Hotel Chain ■ 09E/TS - Ticket Status ■ 09E/PC - Car Vendor ■ 00/EX - Tax Explanation ■ 09E/PS - Preferred Supplier ■ 09E/PA - Preferred Airline ■ 09E/CR - Car Reason Codes ■ 09E/HR - Hotel Reason Codes ■ 09E/AR - Air Reason Codes

Issue	Description
Retrieving Expense Reports	If you set the values for the J09E0001_MAX_ROWS_F20111 and J09E0001_MAX_ROWS_F20112 business service properties to limit the number of expense reports that are returned, it is possible that the system will not return all expense reports that meet your search criteria. For example, if you set this property to limit the number of reports to 100, and there are 120 reports that meet the search criteria, the system displays only the first 100 reports. Additionally, the chart that displays on the Expense Management Home screen is based on the records that are returned by the business service, and not on the total number of records in the EnterpriseOne database. The business service property J09E0001_MAX_ROWS_F20111_HEADER_ONLY is used to retrieve records for display in the chart. This property is set to a default value of 500 to ensure that all records are displayed in the chart. Ensure that these properties are set to a number large enough to meet your business requirements.
Use Subledger and Subtype Fields	Several expense categories include additional fields that display on the Expense Detail form of the mobile application. If you are using the Subledger or Subtype fields as additional information fields for an expense category, those fields will not be displayed in the mobile application.
Changes in EnterpriseOne Database	If changes are made in the EnterpriseOne database while the user is signed on to the mobile application, the user must sign off and then log in again in order to see the changes in the mobile application.
Saving Data and Cancelling Actions	When you enter an expense report, the mobile application saves the data that you enter as you move from one screen to another. Therefore, if you click Cancel on a screen, you are only cancelling the action you are performing on the current screen. For example, if you enter an expense report header, and then begin adding an expense item to that report, and then you press Cancel, you are only canceling the expense item that you are currently entering. The system has already saved the expense report header.
Record Reservation and Locked Records	Many of the mobile expense management processes use record reservation. This process locks a record from being edited in the EnterpriseOne database while the mobile user has it reserved for edit. The reserveExpenseReport and releaseExpenseReport methods (both J09E0005) perform the reserve and release on these records. It is possible that a mobile user could lose connectivity to the network, or experience a time-out on their mobile session while the record is locked. If this occurs, the record remains locked in the EnterpriseOne database until the mobile user releases the lock. To release the lock, the mobile user must open the record in the mobile device again, and then close it to release the lock.

Issue	Description
Photo Capture and View (Release 9.1 Update)	When using photo capture and view functionality, be aware of the following items: ▪ The application supports view and upload of photos with the following extensions only: ▪ jpg ▪ jpeg ▪ png ▪ gif ▪ The mobile application does not support viewing any photos attached to the report from the E1 Media Object OLE Queue.

5.2 Configuring Mobile Expense Management

Configuring the Mobile Expense Management application includes:

- Setting processing options for the Mobile Expense Management program (M09E2011).
- Configuring expense category attributes.
- (Release 9.1 Update) Configuring the application for photo capture and review.

5.2.1 Understanding Processing Options for the Mobile Expense Management Program (M09E2011)

Before you can use the Mobile Expense Management application on a mobile device, you must set the processing options for the Mobile Expense Management program (M09E2011). You use this program to specify which version of the Expense Report Review/Entry program (P09E2011) the mobile device uses when processing expense report information.

After you set up versions of the M09E2011, and enter the appropriate versions of the P09E2011 in the processing options, you must then set up versioning information.

See:

- Section 2.1, "Setting Up Versioning for Mobile Applications."

Several processing options on the P09E2011 control how the mobile application processes expense report data, and which fields are displayed on the mobile application. This table lists the processing options on the P09E2011 that are used by the mobile expense management process:

Processing Option	Description
Defaults tab, option 1 (Currency Mode)	Use this option to specify whether users can enter expenses in multiple currencies. If this option is activated, the mobile application displays the Currency field.
Defaults tab, option 5 (Default Manager for Approval)	Use this option to specify whether the user can override the approving manager. If this option is activated, the mobile application displays the Override Manager field, and allows the user to select a value other than the default manager.

Processing Option	Description
Dates tab, option 1 (Allowable Expense Days)	Use this option to specify the number of days preceding the system date for which you will allow expense reports and expense items to be entered.
Policy tab, option 3 (Policy Per Diem Validation)	Use this option to specify whether to use per diem rules. If you activate this option, the system calculates and displays per diem information in the mobile application.
Auditor tab, option 4 (Validate for Duplication)	Use this option to specify whether the system validates for duplicate expenses.
Auditor tab, option 5 (Number of Days to Use for Validation)	Use this option to specify the number of days to include in the validation process for duplicate expenses.
Credit Card Expense tab, option 1 (Credit Card Expenses)	Use this option to specify whether employees can access their credit card transactions so they can add them to the expense report. If you activate this option, the Add Credit Card Expense button appears in the mobile application.

5.2.1.1 Setting Processing Options for the Mobile Expense Management Program (M09E2011)

You use processing options to define default processing information for a program or feature.

Processing Option	Description
1. Version	Specify the version of the Expense Entry program (P09E2011) that the mobile application uses to process expense data.
(Release 9.1 Update) 2. Indicate Where Photo Attachments Are Allowed	Use this processing option to specify where users can attach photos to an expense report. Values include: ■ Blank: Photos are not allowed. ■ 1: Photos allowed at report and expense level. ■ 2: Photos allowed at the report level only. ■ 3: Photos allowed at the expense level only.

5.2.2 Configuring Expense Category Attributes

The Expense Management system provides you with several configurable fields called expense category attributes that you can use to satisfy your business requirements. If you set up and use these fields, and if they contain data in an expense report, the field labels and their associated values are displayed in the detail area of an expense report when viewed through the mobile application.

To ensure that these field labels are not truncated in the mobile application, Oracle suggests that you limit the names of these fields to 26 characters or less.

See Also:

- "Setting Up the Expense Management System" in the *JD Edwards EnterpriseOne Applications Expense Management Implementation Guide*.

5.2.3 Configuring Photo Capture and Review (Release 9.1 Update)

In order to use the photo capture and review features available in the Mobile Expense Management Application, users must deploy the application as follows:

- To enable photo capture and review features:
- To enable photo review features only:

5.3 Searching for Expense Reports

This section discusses how to search for expense reports on a mobile device.

5.3.1 Searching for Expense Reports

To search for expense reports using a mobile device, complete these steps:

1. Complete the steps to log into the Expense Management Mobile application.
2. From the Home screen, press the Search Expense Reports option.
3. On the Search Reports screen, select the My Reports option to search only for your reports, or leave the option cleared to search for your reports and those of subordinate employees.
4. Complete the following optional fields to define your search criteria, and then press Search:
   - Employee Name
   - Report Number
   - From Date
   - Thru Date
   - Report Status
   - Report Type

   Note: The next time you return to the Search Reports screen during the current session, the values that you last entered in the search fields will be displayed. To clear the values, press the Clear Search Criteria button. When you log out of the mobile application, the search values are cleared, and will not be displayed when you access the Search Reports screen after logging in again.

   ---

5. The system returns a list of reports that meet your search criteria. Select a record to review the report details.

5.4 Approving and Rejecting Expense Reports

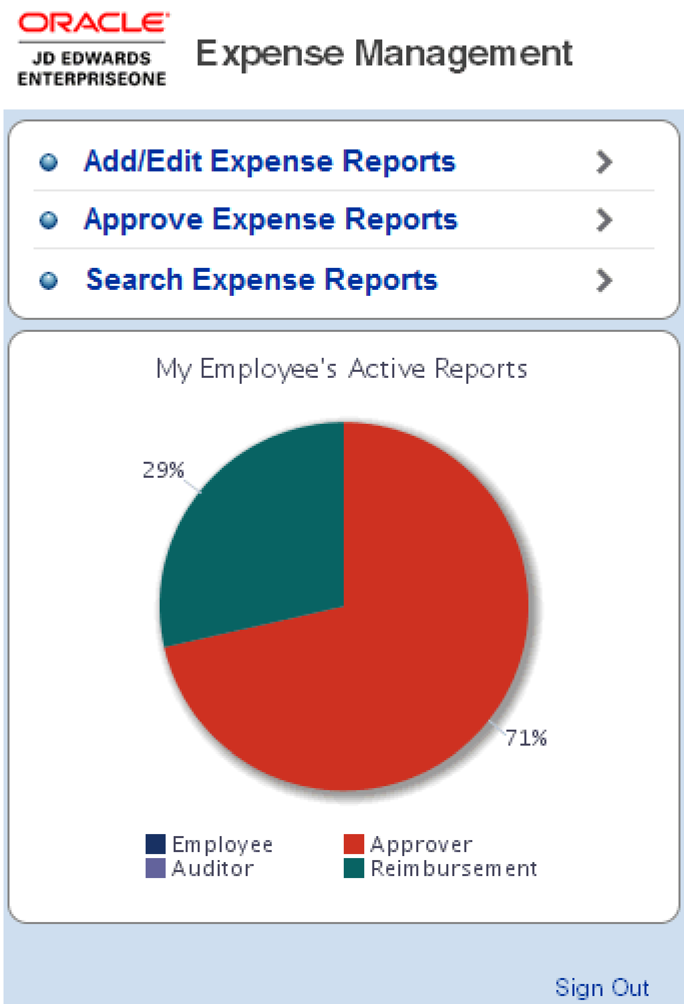
This section discusses how to approve and reject expense reports on a mobile device.

5.4.1 Approving and Rejecting Expense Reports

To approve or reject an expense report, complete these steps:

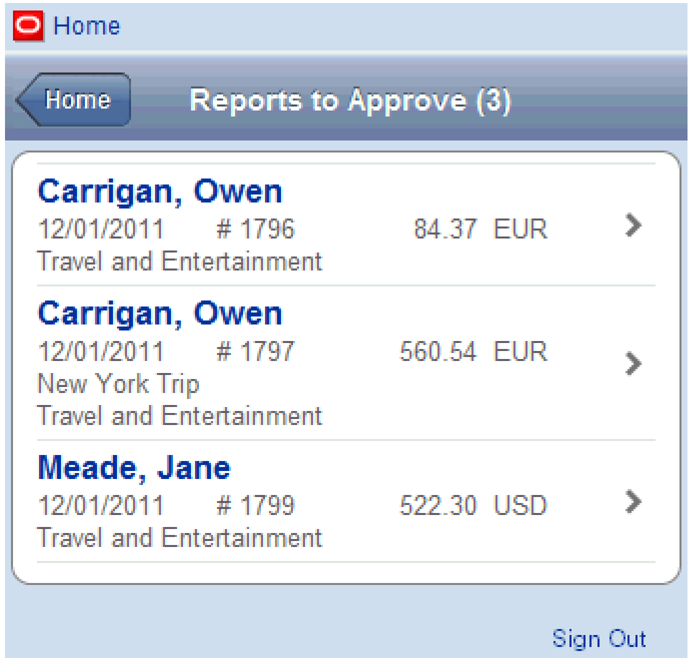
1. Complete the steps to log into the Expense Management Mobile application.
2. From the Home screen, press the Approve Expense Reports option. Alternatively, you can click the Approver portion of the chart.

Figure 5–8 Expense Management Home Screen



3. On the Reports To Approve screen, the system lists the reports that are awaiting approval. The name of the employee associated with the report appears in bold, followed by the report date, number, total, and title.

Figure 5–9 Reports Awaiting Approval



4. Tap on a report to review the detail for that report, and to access the screens that enable you to approve or reject the report. Note that you can press anywhere on the record to access the detailed information. Each record is separated by a bar across the screen.

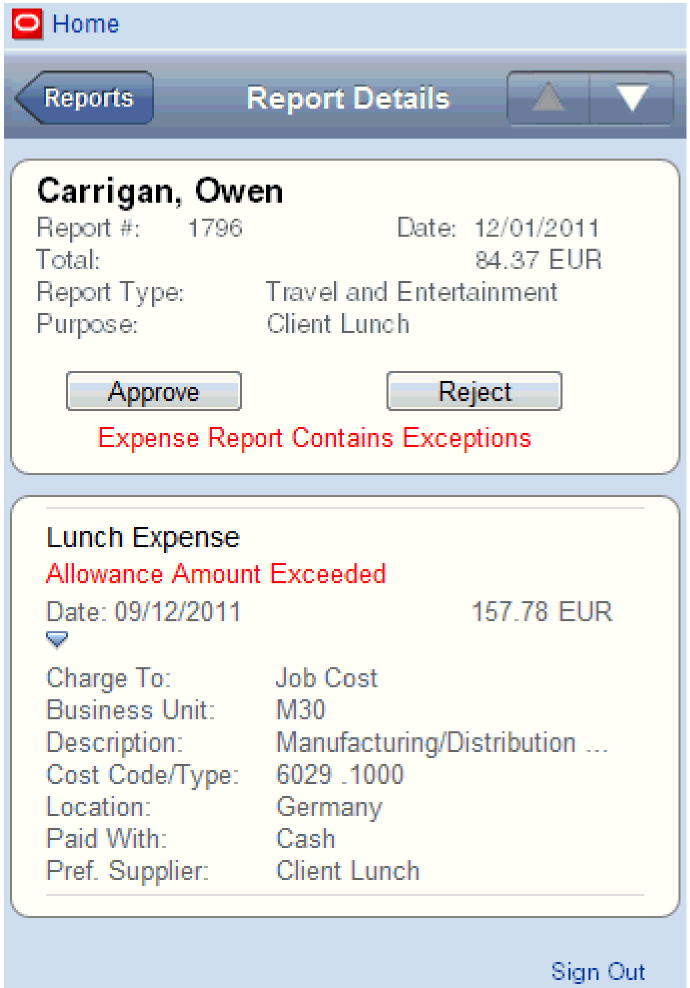
5. On the Expense Report Details screen, review the information in the header of the form. From this screen, you can use the navigation arrows in the navigation bar to scroll through the reports that are currently awaiting approval. You can also review detailed information about the report, approve the report, or reject the report.

Figure 5–10 Expense Report Details - Unexpanded Detail

6. (Release 9.1 Update) To review photos associated with the report, tap the Photos (#) button. On the View Photos screen, tap each photo you want to review. When you are finished reviewing photos, return to the Report Details screen.

7. To review the detail information associated with each item on the report, tap the record in the detail area. Again, you can tap anywhere on the expense report item detail record to expand the record and view the detail. You can also collapse the detailed information by tapping again on the same area.

Figure 5–11   Expense Report Details - Expanded Detail



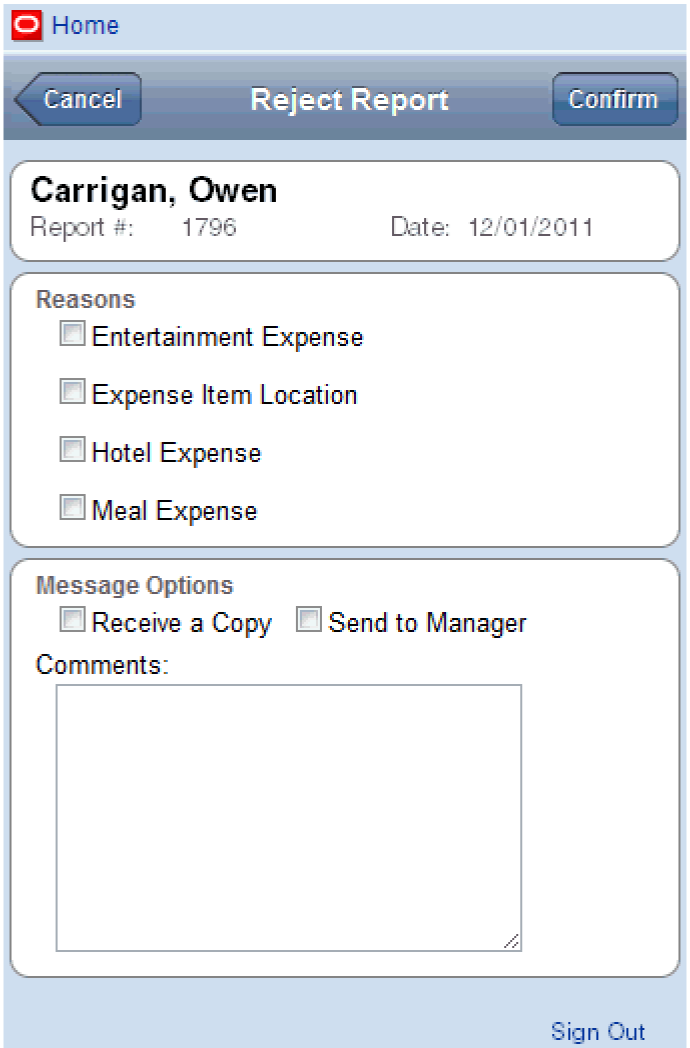
8. To approve the expense report, press the Approve button, and then press Confirm on the Approval Confirmation screen.

Figure 5–12   Approval Confirmation

9. To reject the expense report, press the Reject button.
10. On the Reject Report screen, complete any of these optional tasks, and then press the Confirm button:
    - Select one or more reason codes to explain the reason for rejecting the report.
    - Select the Receive a Copy option to send a copy of the workflow notification E-mail to your inbox.

- Select the Send To Manager option to send a copy of the workflow notification E-mail to the employee's manager.
- Enter a comment in the free-form text box.

Figure 5–13 Rejecting a Report



11. After you approve or reject a report, the system returns you to the Report Details screen, displaying the details of the next report in the list. If there are no more reports awaiting approval, the system returns you to the Expense Management Home screen.

5.5 Entering a New Expense Report

This section discusses how to complete these tasks on a mobile device:

- Enter an expense report.
- Enter a summary expense.
- Enter a split expense.

5.5.1 Entering an Expense Report

To enter an expense report using your mobile device, complete these steps:

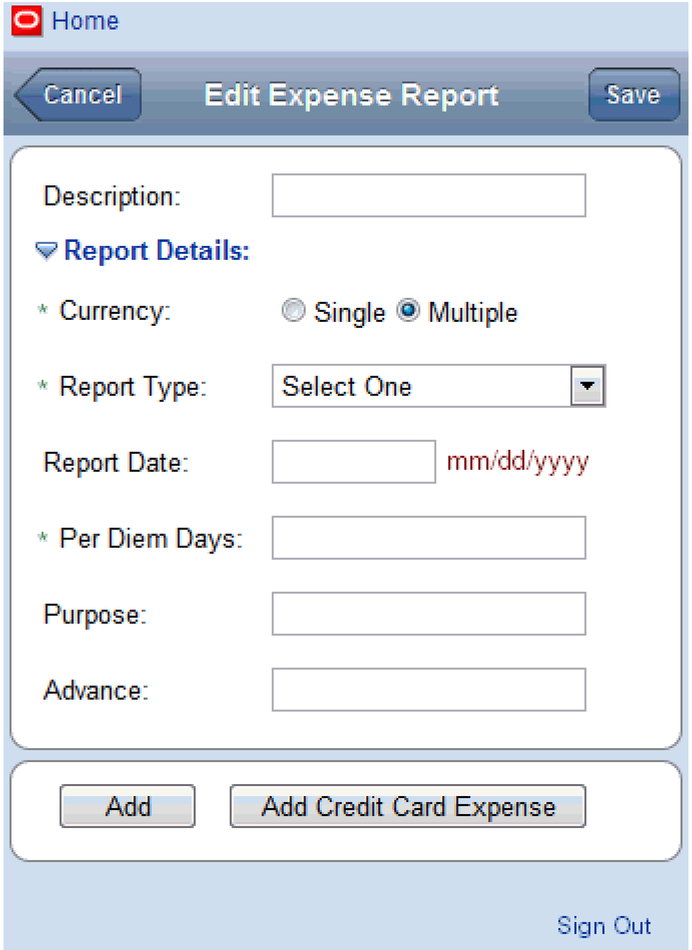
1. Complete the steps to log into the Expense Management Mobile application.
2. From the Home screen, press the Add/Edit Expense Reports option.
3. On the My Expense Reports screen, press Add.
4. On the Edit Expense Report screen, complete the following fields:
   - Description
   - Currency

     The system displays this option only if multicurrency is enabled. To enter a report with multiple currencies, select the Multiple option. To enter a report with a single currency select the Single option.
   - Report Type
   - Report Date
   - Per Diem Days

     The system displays this option only if per diem rules are activated.
   - Purpose
   - Advance
   - Override Manager

     The system displays this option only if the user has the authority to override the default approving manager.

Figure 5–14 Edit Expense Report - Adding a New Report



5. (Release 9.1 Update) To add photos at the report level, complete these steps, and then return to the Edit Expense Report screen to continue. This option is available only if the processing options are set to allow report-level receipts.

    1. Tap the Add Photos button.

    2. On the Add Photo screen, update the Photo Name field, or leave it as it to accept the default file name.

    3. Tap the Camera button to take a photo with your mobile device, or tap the Album button to select an existing photo from your photo gallery.

        Follow the instructions provided by your mobile device to use the camera and gallery features.

    4. To add another photo, click the Add button, and follow the previously listed instructions.

    5. To delete a photo, tap on the photo. On the View Photo screen, tap the Delete Photo button, and then tap the Confirm button. Tap the Photos button to return to the previous screen.

    6. When you have finished attaching report-level photos to the report, return to the Edit Expense Report screen by tapping the Report button.

Notice that the Add Photos button is now called Report Photos (#), displaying the number of report-level photos attached to the report.

6. To add a credit card expense, press the Add Credit Card Expense button, and complete these steps:

   1. On the Credit Card Charges screen, select individual expenses, or press the Select All link.

   2. Press Done to add the expenses to the report.

      The system brings you to the Expense Detail screen where you can enter additional details about the credit card expense. Skip to step 7 for instructions on entering expense details.

   If no credit card transactions are available, the system displays a message that there are no credit card transactions to add.

7. To add basic, split, or summary expenses, press Add.

   Note: Additional instructions for adding split and summary expenses are provided in the next sections of this chapter.

   ---

8. On the Expense Detail screen, complete the following fields, as necessary for your expense item. If you have selected credit card transactions, some fields are prepopulated with values.

   - Category
   - Location
   - Paid With
   - Charge To
   - Business Unit, Cost Code and Cost Type, or Work Order

   Note: The fields that display after the Charge To field are dependent upon the value selected in the Charge To field. For example, if you selected Business Unit in the Charge to field, the system displays the Business Unit field.

   - Currency

     The system displays this field only if multicurrency is enabled.

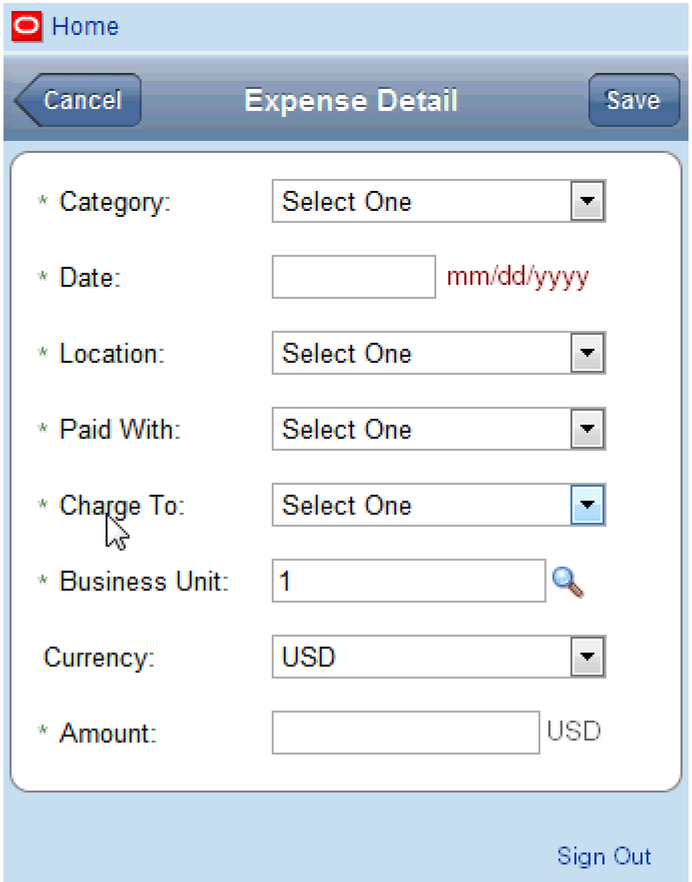
   - Amount or Quantity and Rate (depending on type of expense)

   Note: If you are entering a rate type of expense, such as mileage, the Amount field is disabled, and the Rate and Quantity fields are displayed on the screen. The user must enter a quantity. The Rate field is populated with the rate from the policy, which is required if entering rate type expenses in the mobile application. The Rate field is enabled or disabled based on the expense policy setup.

   - Fields in the Additional Information section

     The list of fields displayed is dependent upon the Category of the expense.

Figure 5–15 Expense Detail - Adding a Basic Expense



9. (Release 9.1 Update) To attach one or more photos to the expense, tap the Add Photo button on the Expense Detail screen and complete the following steps. This option is available only if the processing options are set to allow expense-level receipts.

   1. On the Add Photo screen, update the Photo Name field, or leave it as it to accept the default file name.

   2. Tap the Camera button to take a photo with your mobile device, or tap the Album button to select an existing photo from your photo gallery.

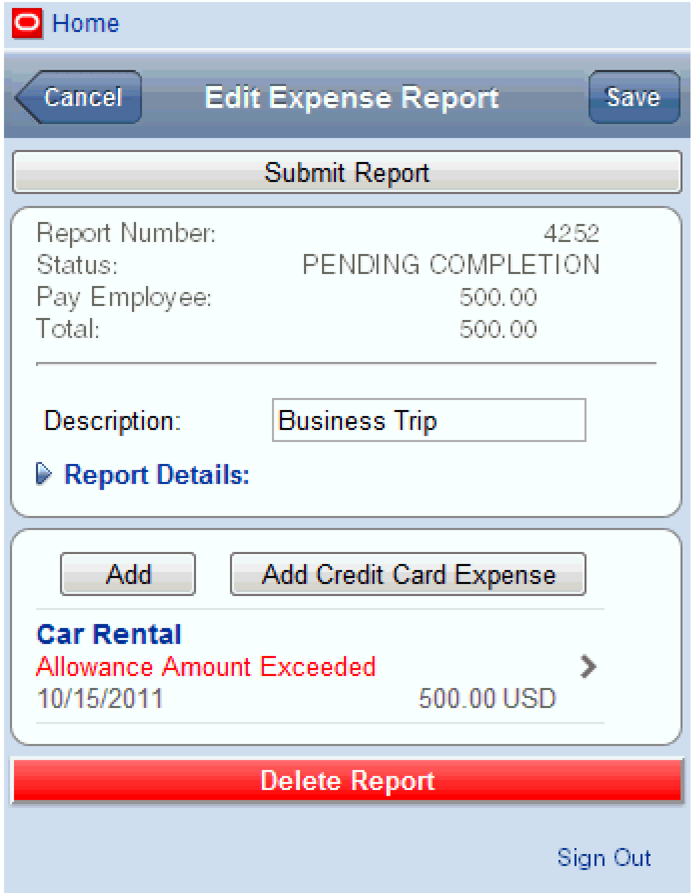
   Follow the instructions provided by your mobile device to use the camera and gallery features.

   3. When you have finished attaching expense-level photos to the report, return to the Expense Detail screen.

10. When you are finished entering expense details, press Save.

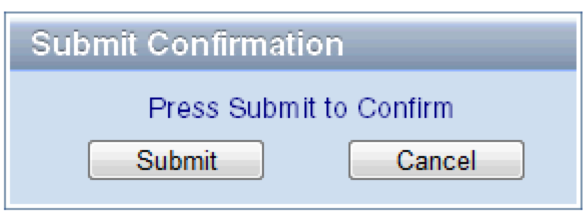
If you have selected multiple credit card transactions, the system automatically displays the next transaction for you to update. If no more credit card transactions exist, or if you are simply entering a single expense, the system returns you to the Edit Expense Report screen.

Figure 5–16 Edit Expense Report - Review Before Submitting



11. On the Edit Expense Report screen, review all calculated data and messages, and continue adding expenses until you have added all expenses to the report. When you have finished, press Submit Report.
12. On Submit Confirmation, press Submit.

Figure 5–17 Submit Confirmation



5.5.2 Entering a Summary Expense

You enter summary expenses when you have a single receipt that contains multiple items that you want to expense. For example, you might have a receipt from a hotel that includes the hotel expense, breakfast expenses, and dinner expenses. Because each of these types of expense must be entered separately, but you have only one receipt, you enter a summary expense to record all of the details about each expense on the receipt.

To enter a summary expense using your mobile device, complete these steps:

1. Complete steps 1 through 7 of the previous task, "Entering an Expense Report", so that you are on the Expense Detail screen.

   (Release 9.1 Update) See step 9 for information about adding photos.

2. From the Category drop down list, select Summary Receipt.
3. On the Summary Receipt screen, complete these fields:
   - Receipt Total

     Enter the full amount of the receipt that you are expensing. For example, if a single receipt includes 100 USD for hotel expense, and 20 USD for lunch expense, and you intend to expense both items, enter 120 in this field.
   - Currency

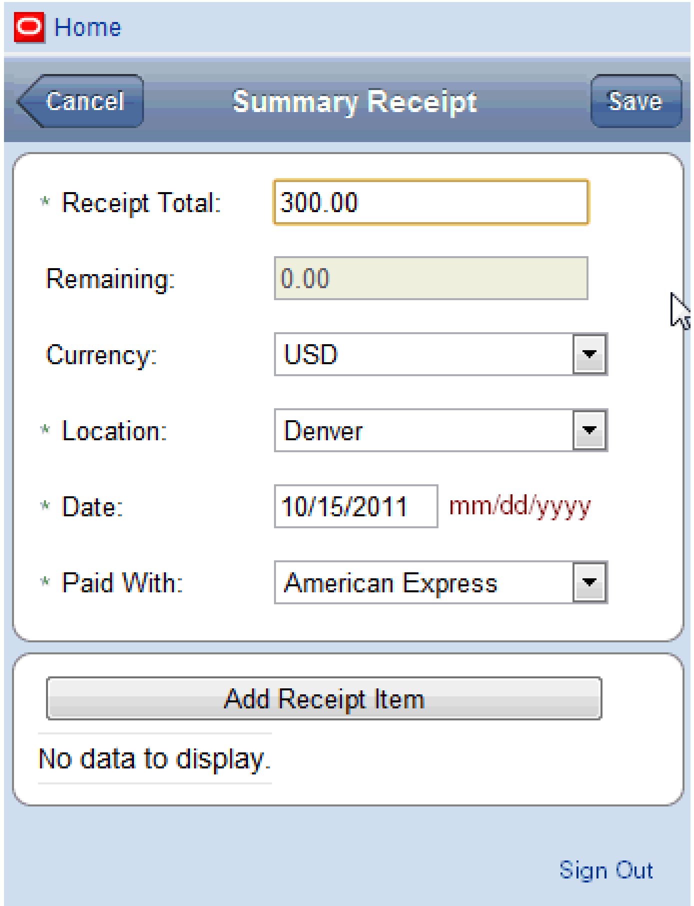
     This option is available only if multicurrency is enabled.
   - Location

     This field is populated with the value from the expense report header. You can change this value if necessary.
   - Date

     This field is populated with the value from the expense report header. You can change this value if necessary.
   - Paid With

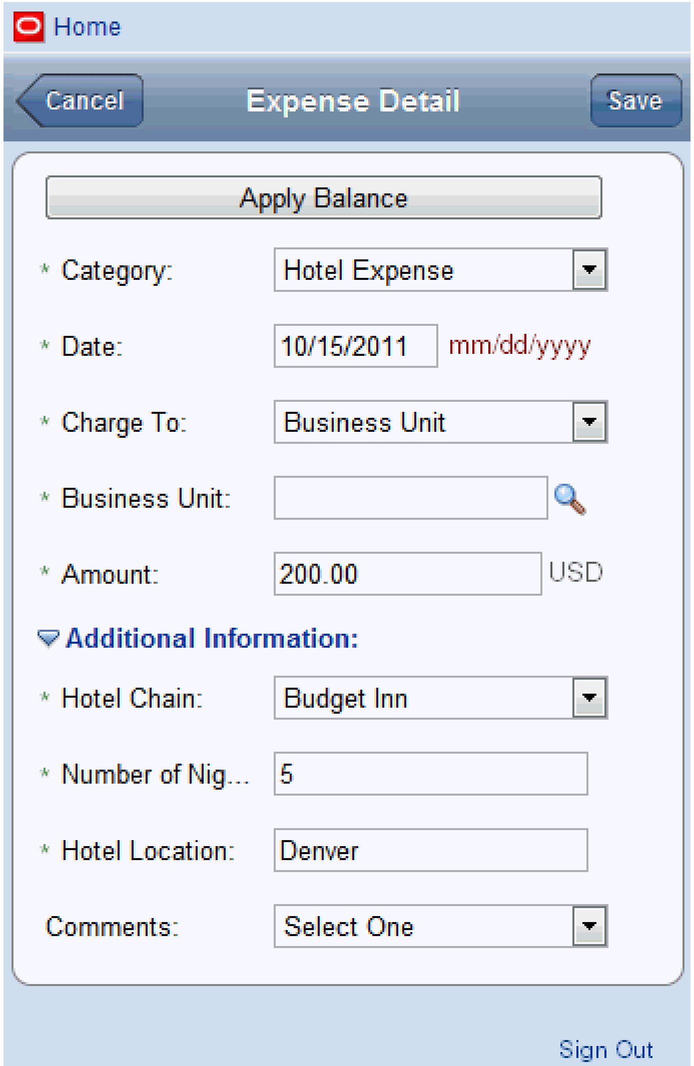
     This field is populated with the value from the last expense that was entered. You can change this value if necessary.

Figure 5–18 Summary Receipt



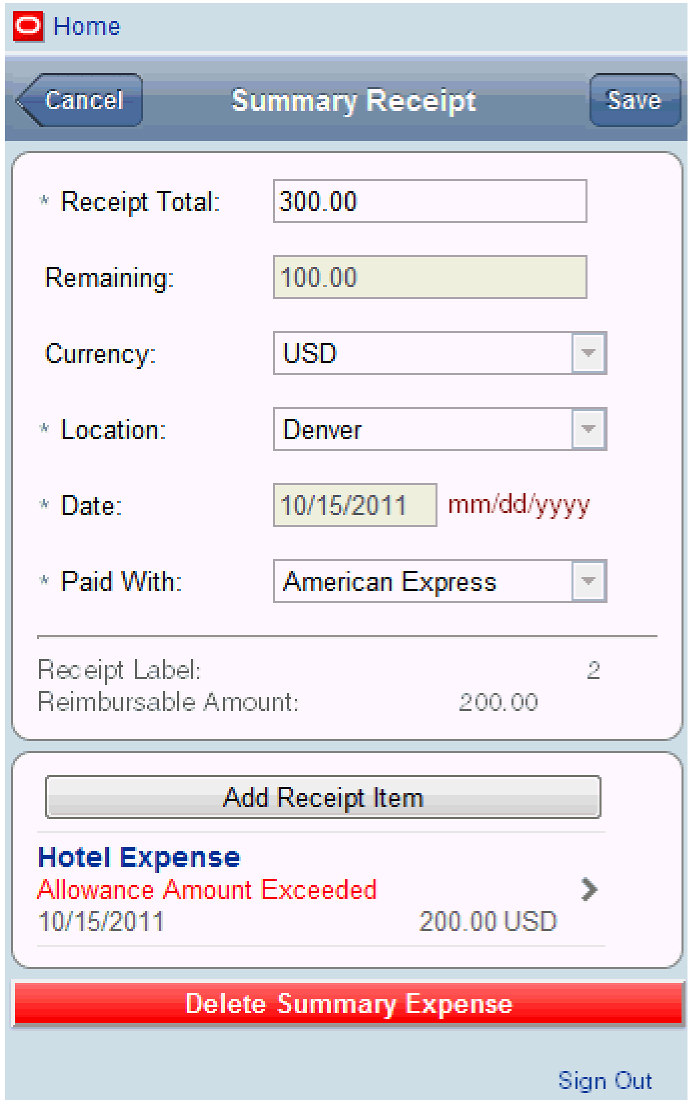
4. Press Add Receipt Item and complete the expense details, as described in the previous task, "Entering An Expense Report". When you have finished, press Save.

Figure 5–19 Expense Detail - Summary Expense



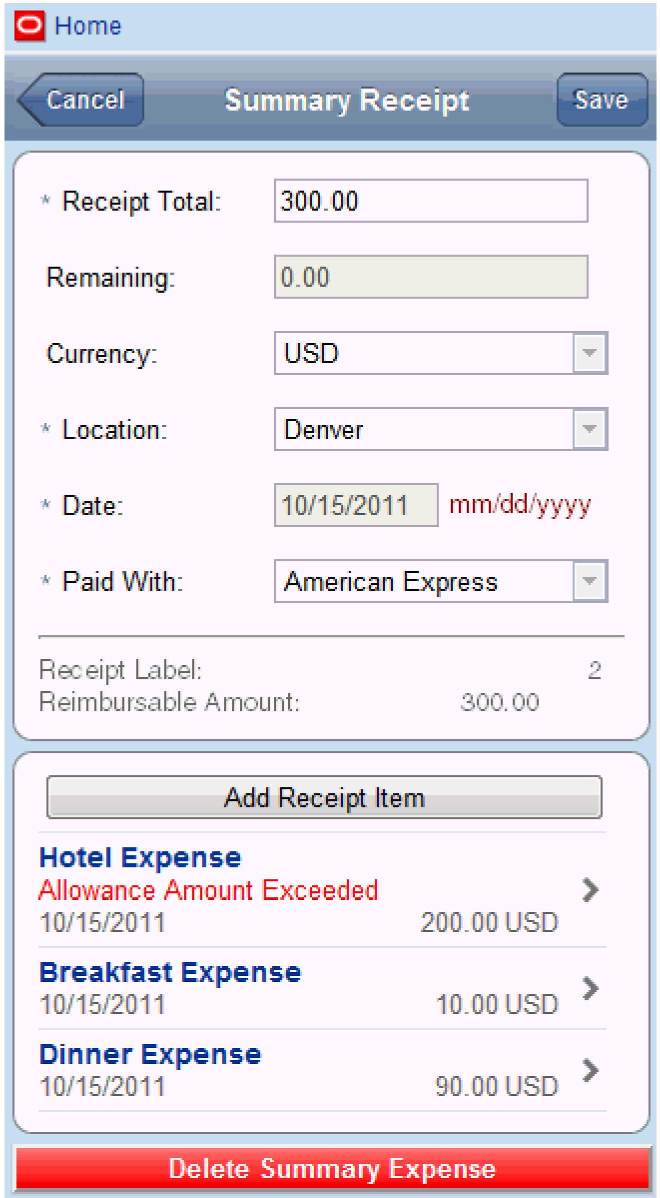
5. When you add a receipt item to the summary expense, the system updates the Remaining field with the amount of the receipt that has not yet been entered. When adding additional expenses, you can press the Apply Balance button, which applies the remaining amount from the receipt to your current expense item.

Figure 5–20 Summary Receipt - One Item Added



6. Continue adding receipt items until the value in the Remaining field is zero. If the summary receipt is not fully distributed, meaning that the entire amount of the receipt has been accounted for, you cannot submit the expense report.

Figure 5–21 Summary Receipt - Fully Distributed

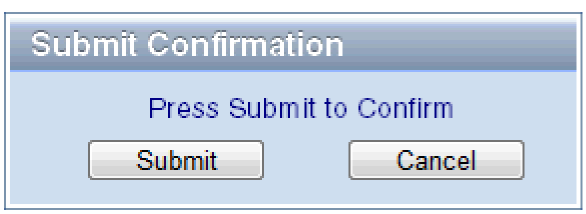


7. Press Save to return to the Edit Expense Report screen. Review all calculated values and messages, and then press Submit Report.

Figure 5–22 Edit Expense Report - Summary Receipt Added

8. On Submit Confirmation, press Submit.

Figure 5–23 Submit Confirmation



5.5.3 Entering a Split Expense

You enter split expenses when you need to charge parts of an individual expense to different jobs, business units, or work orders. For example, if you purchase an airline ticket to visit two different clients, you might need to charge the single airline expense to two different work orders or jobs.

To enter a split expense using your mobile device, complete these steps:

1. Complete steps 1 through 7 of the task, "Entering an Expense Report", so that you are on the Expense Detail screen.

   (Release 9.1 Update) See step 9 for information about adding receipt photos.

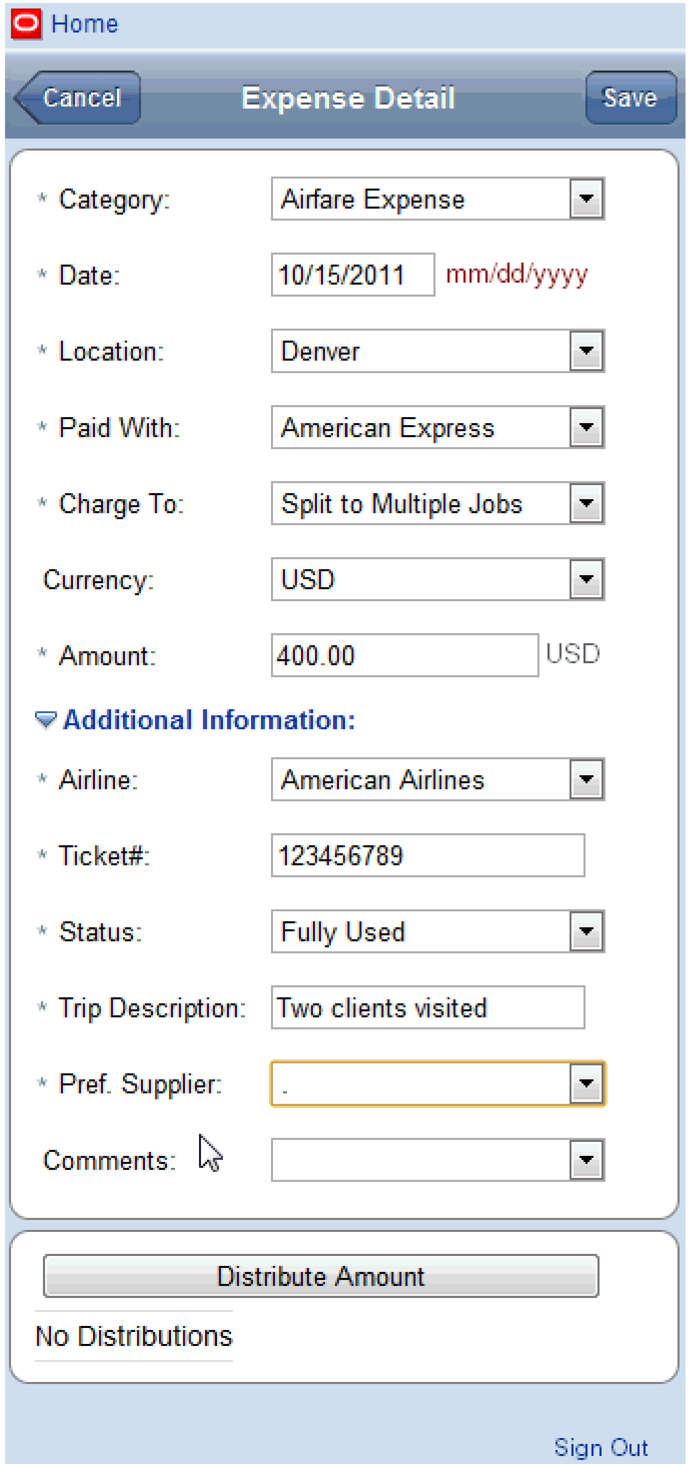
2. From the Expense Detail screen, complete all of the fields as described previously, with the exception of the Charge To field.

   > **Note:** In the Amount field, enter the full amount of the expense, before it is split.

3. In the Charge To field, select one of these options:

   - Split to Multiple Jobs
   - Split to Multiple Bus. Units
   - Split to Multiple Work Orders

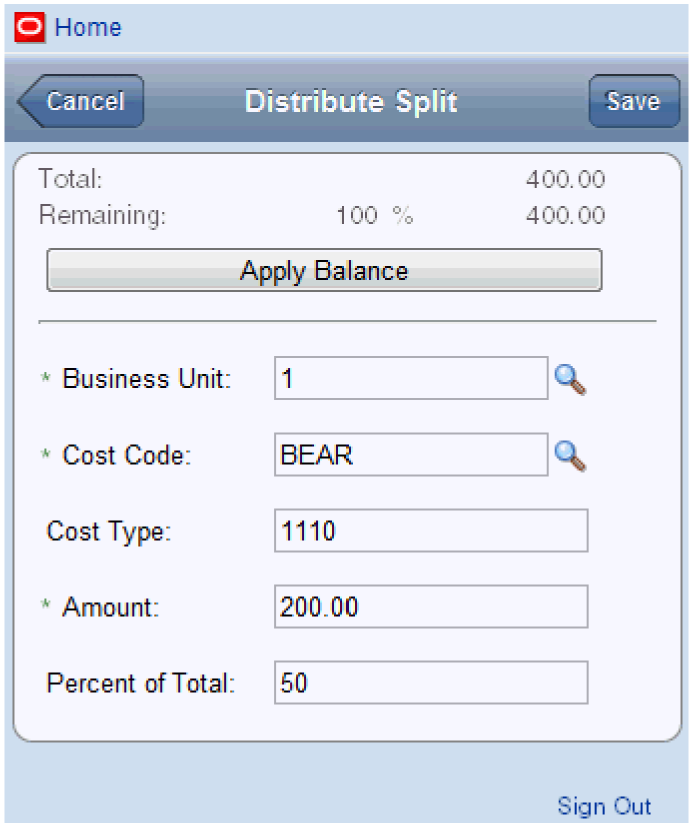
Figure 5–24 Expense Detail - Split Header



4. Press the Distribute Amount button.
5. On the Distribute Split screen, complete the fields on the top portion of the screen to specify where the expense is charged to. These fields change depending on the value selected in the Charge To field.

6. Enter the amount to charge to this portion of the expense by completing either the Amount or Percent of Total field, and then click Save.

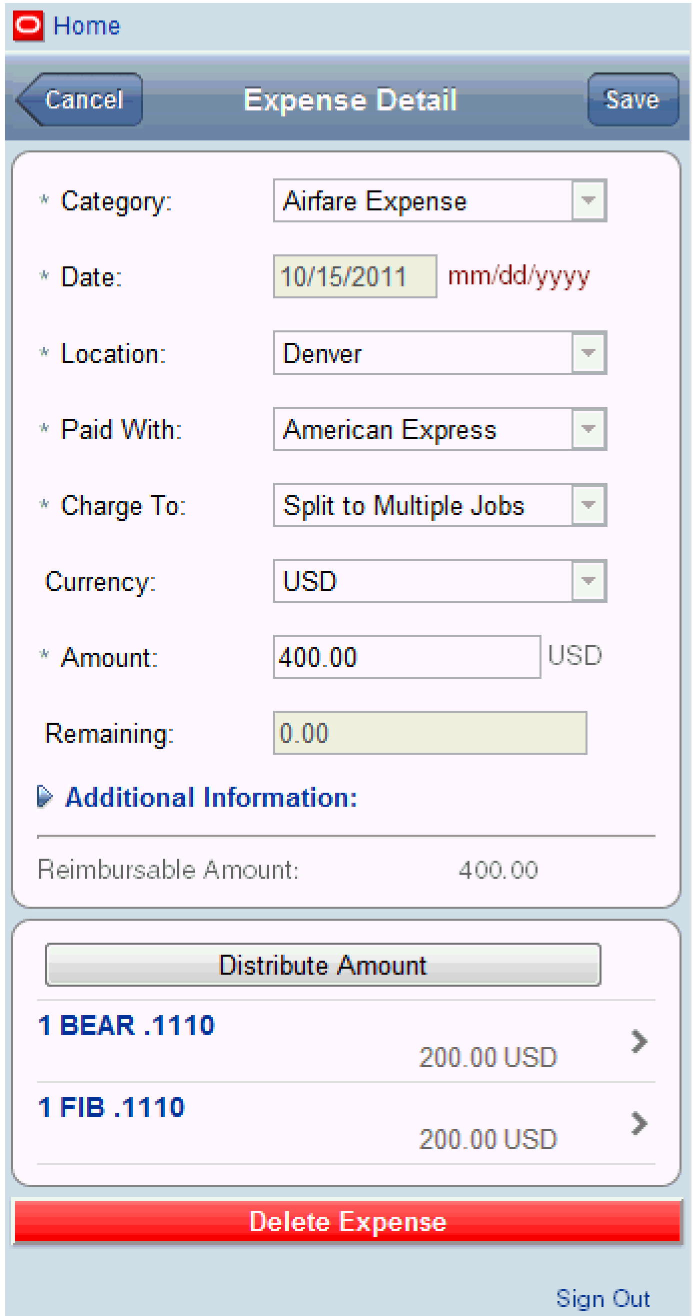
Figure 5–25 Distribute Split



7. Continue this process until you have full distributed the expense. You cannot submit the report until the expense is fully distributed.

   You can use the Apply Balance button to apply the remaining portion of the total expense to the current record.

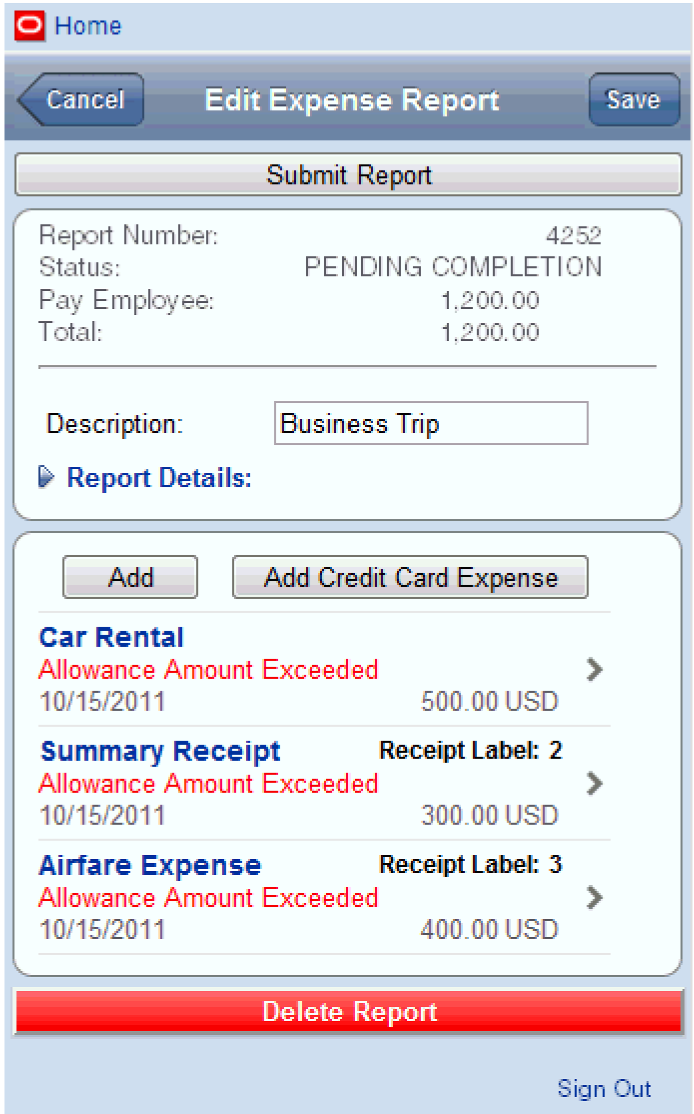
Figure 5–26 Expense Detail - Split Expense Fully Distributed



8. Press Save to add the fully distributed split expense to the report.

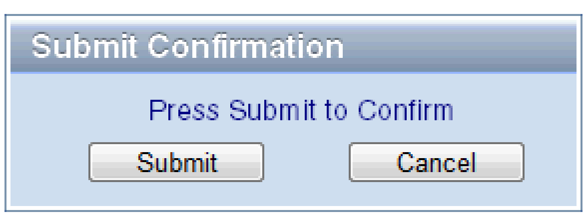
9. When you return to the Edit Expense Report screen, review all calculated values and messages, and then press Submit Report.

Figure 5–27 Edit Expense Report - Split Expense Added



10. On Submit Confirmation, press Submit.

Figure 5–28 Submit Confirmation



5.6 Editing an Existing Expense Report

To edit an existing report, complete these steps:

1. Complete the steps to log into the Expense Management Mobile application.

2. From the Home screen, press the Add/Edit Expense Reports option.
3. On the My Expense Reports screen, the system displays all reports that are currently at an editable status.
4. Select a report to edit.
5. Make any necessary updates to the report. See the instructions in the previous tasks of this chapter for detailed steps to enter or update expense items or expense header information.

> **Note:** You cannot change the category of an expense or an expense report. If the category is wrong, you must delete the report or expense item, and enter it again with the correct category.

6. (Release 9.1 Update) To delete photo attachments from the report, tap the Photos (#) button to see a list of report-level photos, or select a specific expense, and then tap the Photos (#) button to see expense-level photos. Tap the photo you want to delete, and then tap the Delete Photo button. Tap Confirm to delete the photo, and then return to the previous screen.
7. When you have made all necessary updates to the report, press the Submit Report button, and then press Confirm.

6

Mobile Purchase Order Review and Approval

This chapter contains these topics:

6.1 Understanding Mobile Purchase Order Review and Approval

The Mobile Purchase Order Approval application enables managers and purchase order approvers in your organization to review, approve, and reject purchase orders on a mobile device when they are away from the office.

The Mobile Purchase Order Approval application gives users the ability to:

- Review all orders that are currently awaiting their approval.
- View up to ten different order types.
- Enter line-level remarks on an order.

  You can enter a 25 character alpha-numeric remark. These remarks are updated to the F4318 table.
- Configure the order type names that appear in the mobile application.
- Approve or reject an order.
- Enter order-level remarks when approving or rejecting an order.

  You can enter a 25 character alpha-numeric remark. These remarks are updated to the F4318 table.

The Mobile Purchase Order Approval program uses processing options from the Mobile Purchase Order Approval Processing Options program (M43081). This program specifies the order type descriptions that can be processed in the mobile application, along with the version of the P43081 that is used to process each order type. Details of the M43081 program are discussed later in this chapter.

See:

- Section 6.1.3, "Prerequisite Knowledge and Data Requirements."

6.1.1 Accessing Mobile Purchase Order Approval Using the Mobile Menu (Release 9.1 Update)

The Mobile EnterpriseOne Menu application (M0001) is now available as part of the JD Edwards EnterpriseOne mobile solution set. This application enables users to access all JD Edwards EnterpriseOne mobile applications from a single point of entry. This application also enables users to sign in only one time, and access all available mobile applications.

If your organization uses the Mobile EnterpriseOne Menu application to deploy your mobile applications, the user interface of the application will look slightly different than it appears in the screens shown in the following documentation in this chapter. Thos differences include:

- Screen Logo and Banner

  The logo and banner at the top of many forms has been updated.

- Menu Button

  Many screens now include the (menu) button. This button enables the user to return to the Mobile Solutions screen where they can launch other mobile applications, or sign out of all mobile applications they have accessed.

- Signing Out

  If you are accessing your application from the Mobile EnterpriseOne Menu application, you will no longer have Sign Out links within each application. Instead, you must return to the Mobile Solutions Home screen by clicking the menu button (described above), and then click the Sign Out link. Using this link logs the user out of all available EnterpriseOne mobile applications.

6.1.2 Understanding the Purchase Order Approval Data Flow

Mobile purchase order approval processing uses business services to pass data between the EnterpriseOne database and the user’s mobile device.

See Also:

- Section A.2, "Purchase Order Approvals Business Services."

This list describes the flow of data during the purchase order approval process.

Note: (Release 9.1 Update)

The launch and sign-in portion of the following data flow does not include use of the Mobile EnterpriseOne Menu application, which enables users to sign into all available JD Edwards EnterpriseOne mobile applications with a single sign-in. For information on the Mobile EnterpriseOne Menu data flow, see Chapter 3, "Using the Mobile Menu (Release 9.1 Update)."

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1. The user launches the Mobile Purchase Order Approval application on their mobile device and enters sign in credentials.
2. The getPurchaseOrderEmployeeProfile web service operation (J4300060) retrieves the employee’s profile information from the EnterpriseOne database.

   Profile information includes the employee’s:

   - Address book number
   - Language preference
   - Date format
   - Alpha name

3. The getPurchaseOrderCounts web service operation (J4300070) retrieves the specified version of the M43081, which provides the descriptions of each order type that is available for approval in the mobile application.

   The operation then calls several EnterpriseOne business functions that count the number of orders that are awaiting approval by the signed-on user for each specific order type. Lastly, the operation returns the order descriptions, along with the number of orders awaiting approval, to the mobile device.

4. The user is directed to the Purchase Order Approval screen where they see the description of each order type awaiting approval, along with a count of how many orders are awaiting approval. The system shows only the order types that are currently awaiting approval.
5. The user selects an order type to review, and the getPurchaseOrdersForApprovers web service operation (J4300040) retrieves the header information for each order of that type from the EnterpriseOne database.
6. The user is directed to the Orders To Approve screen, which lists the header of each order, of the selected type, that is awaiting approval.
7. The user selects an order to review, and the getPurchaseOrderDetailForApprover web service operation (J4300050) retrieves the purchase order details for the selected order from the EnterpriseOne database.
8. The user is directed to the Order Details screen, which displays the order header and lists each detail line associated with the order.
9. The user can expand the header section of the screen to review additional information about the entire order, and they can expand each detail line to review additional information about the individual lines on the order.
10. The user can enter a 30-character alpha-numeric remark on any of the individual detail lines.
11. After reviewing the order and entering any necessary remarks, the user then approves or rejects the order.
12. Optionally, the user enters a 30-character remark describing why they are rejecting or approving the order.
13. The user then confirms their approval or rejection of the order.
14. Upon confirmation, the processPurchaseOrderApprovalReject web service operation (J4300080) sends the approval or rejection data to the EnterpriseOne database, and the order records are updated. The updates are based on the processing options and activity rules that are set up in the program versions that are specified for use by the M43081 program. The updates include:
    - Held Order Status (F4209)
    - Purchase Order Hold Code (F4301)
    - Purchase Order Detail Next Status (F4311)
15. Once the order is approved or rejected, it is removed from the list of orders awaiting approval.
16. The system then displays the next record awaiting approval. If no additional records are awaiting approval, the system returns the user to the Purchase Order Approval screen.

6.1.3 Prerequisite Knowledge and Data Requirements

Before you use mobile purchase order approval functionality, Oracle strongly recommends that you have a solid understanding of the JD Edwards EnterpriseOne Procurement system. Additionally, you should be familiar with order approval processing in the base JD Edwards EnterpriseOne system before you approve orders using a mobile device.

See Also: These topics in the *JD Edwards EnterpriseOne Applications Procurement Management Implementation Guide*:

- "Understanding Procurement"
- "Processing Approvals"

Additionally, you must set up one or more versions of the Mobile Purchase Order Approval Processing Options program (M43081). This program contains processing options that you use to define the different order type descriptions that can be processed using the mobile application. You also specify the version of the P43081 that the system uses to process each order type. You can define up to ten different order/line types for processing in the mobile application.

You can set up multiple versions of this program if you want different users to use different versions.

See:

- Section 2.1, "Setting Up Versioning for Mobile Applications."

6.1.3.1 Setting Processing Options for the PO Approval Mobile Applications Processing Options Program (M43081)

You use these processing options to define the order types that are available for processing in the Mobile Purchase Order Approval application, and the version of the P43081 that is used to process each order type.

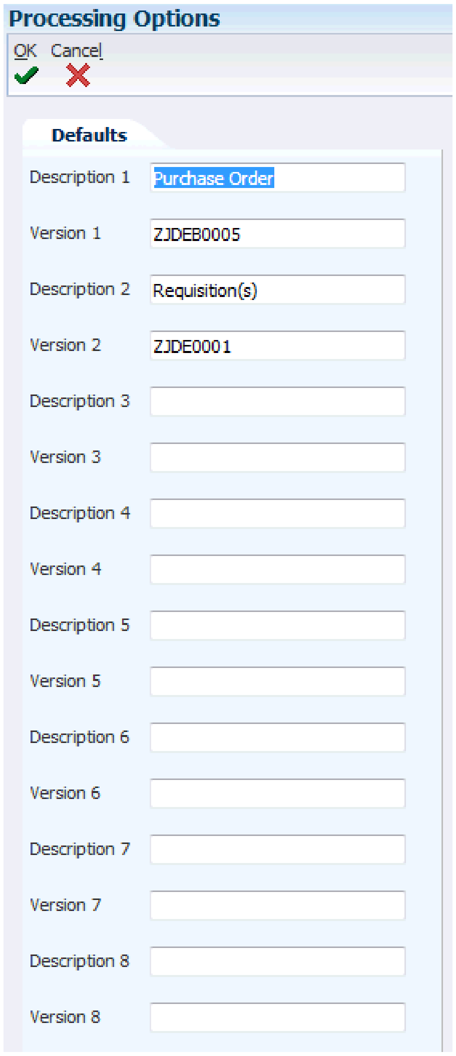
Important Note: When you specify a version of the P43081 to use for processing a document type using the mobile application, that version must contain a valid hold code in processing option 5 (Approval Holds Code) on the Process tab. This hold code must begin with an A, and must match the hold code used in the associated version of the P4310 program.

If the Approvals Hold Code processing is not filled out or is improperly filled out, the Hold Code will not be automatically released by the Orders Awaiting Approval (P43081) application. It will have to be manually removed with the Held Order Release (P43070) application.

Option Number	Description
1, 3, 5, 7, 9, 11, 13, 15, 17, and 19	Use these options to specify the description of the type of order that will display in the mobile device. These options work with the corresponding options that follow them. Meaning, you will set up options 1 and 2 to define the first order type, set up options 3 and 4 to set up the second order type, and so on. For example, enter Purchase Orders in option 1, and enter the version of the P43081 that you use to process the purchase order document type (OP) in option 2. Similarly, you could enter Requisitions in option 3, and enter the version of the P43081 that you use to process the requisition document type (OR) in option 4.
2, 4, 6, 8, 10, 12, 14, 16, 18, and 20	Use this option to specify the version of the Purchase Order Approvals program (P43081) that you want to use when processing the order type that is specified in the previous option. For example, if you entered Blanket Orders in option 1, you would enter the version of the P43081 that you use to process the blanket order document type (OB) in option 2.

This graphic illustrates the processing options:

Figure 6–1 Processing Options for M43081



6.1.4 Solution Assumptions and Constraints

Mobile applications are typically intended to be a scaled-down version of a larger application that is available in the base software. Therefore, most mobile applications offer a subset of the functionality that is available in the base software.

This table lists and explains the solution assumptions and constraints associated with the mobile purchase order review and approval functionality:

Issue	Description
Connectivity to the network.	The ability to review and approve or reject orders on a mobile device is supported only if the user is able to sign in and connect to the JD Edwards EnterpriseOne system. This functionality does not enable users to access purchase orders when not connected to the network.
Budget checking and approval.	The mobile application does not support budget checking or budget approval features that are available in the base EnterpriseOne application.

Issue	Description
Line-level approvals.	The mobile application supports only order-level approvals, and does not support line-level approvals.
Number of document types.	The mobile application enables users to approve up to ten different document types. The base EnterpriseOne approval application enables users to review and approve all order types.

6.2 Reviewing and Approving Purchase Orders

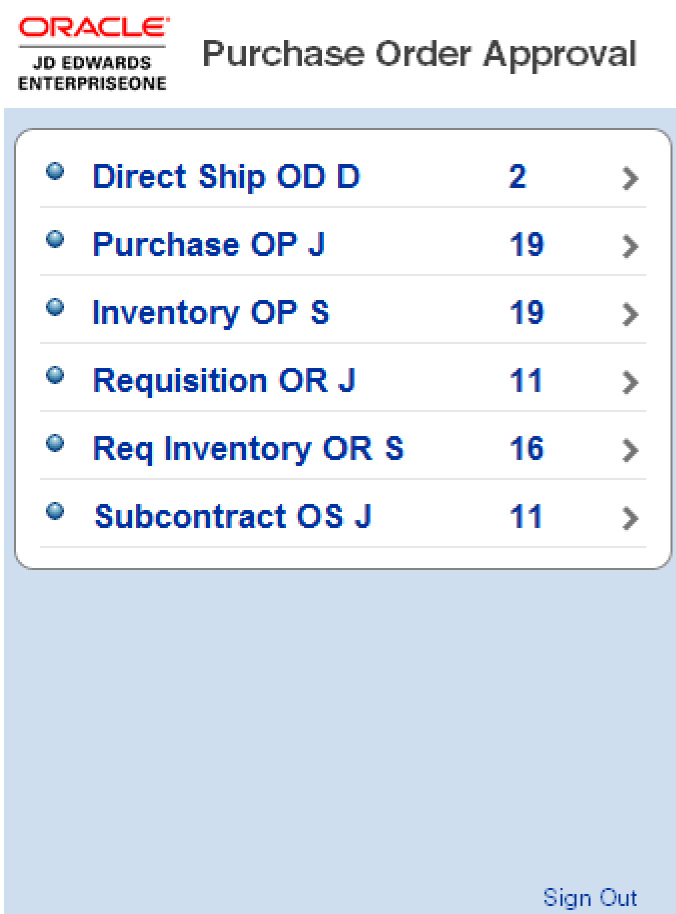
After you have set up your mobile application, you can review purchase orders, and then approve or reject them from your mobile device.

6.2.1 Approving and Rejecting Purchase Orders

To approve or reject a purchase order, complete these steps:

1. Access the mobile application and enter valid user credentials.
2. From the Purchase Order Approval Home screen, you can see the number of each order type that is currently awaiting approval.

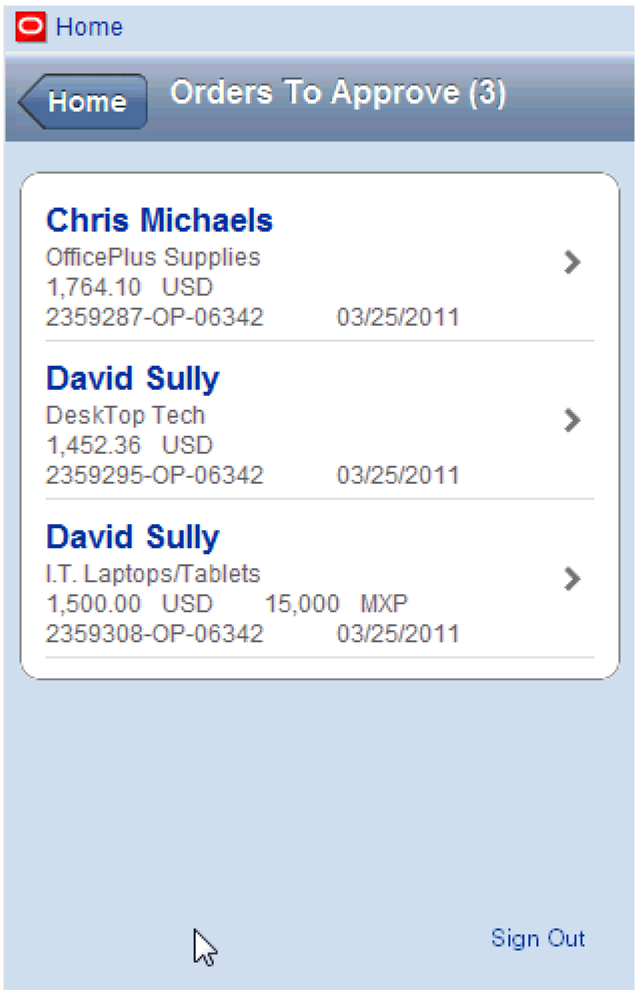
Figure 6–2 Purchase Order Approval Home



3. Tap on an order type to review the orders, and to access the screens that enable you to approve or reject the orders. You can press anywhere on the record to access the orders.

4. The system lists header information for all orders of the selected type that are currently awaiting approval. The screen title is dependent upon the order type that you select and the number of orders awaiting approval. For example, in the following graphic, the screen title is Orders To Approve (3), which means there are 3 orders of this type awaiting approval.

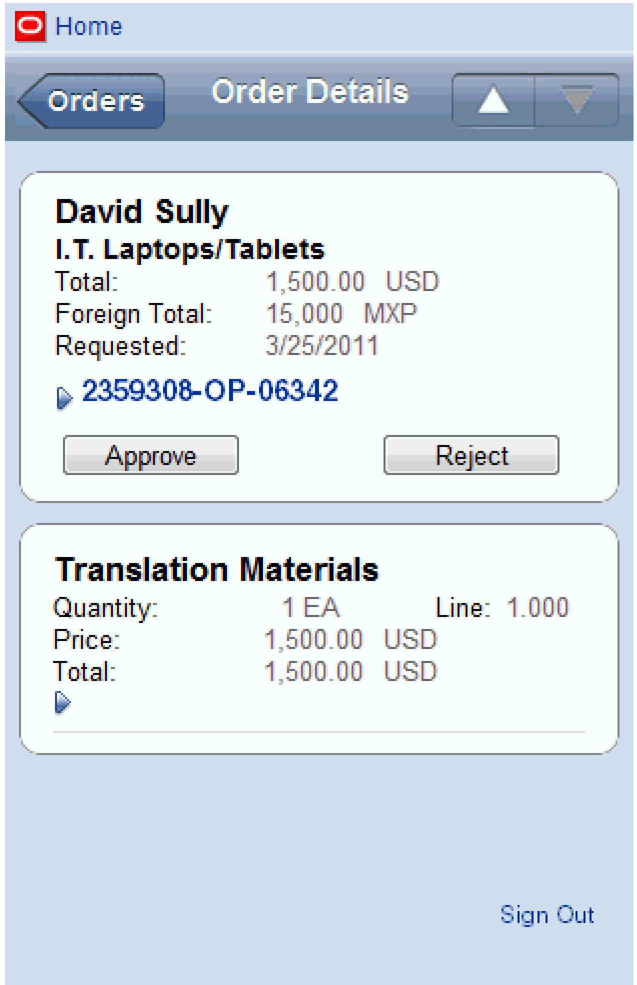
Figure 6–3 Orders To Approve



5. To select an order for review, tap anywhere on the record.

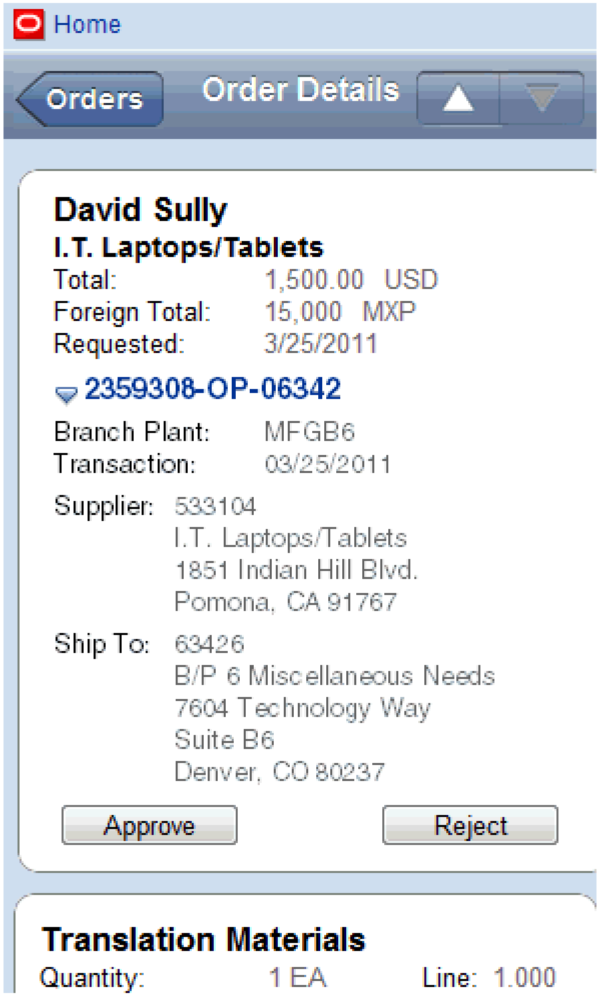
6. On the Order Details screen, the system displays a summary of the order header information, as well as a summary of each detail line on the order.

Figure 6–4 Order Details



7. To review additional detail about the order header, tap the order number.

Figure 6–5 Order Details with Expanded Header



The system displays the Branch Plant, Transaction, Supplier, and Ship To data for the order.

8. To review additional information about an order detail line, tap anywhere on the detail line.

Figure 6–6 Order Details with Expanded Detail

The detailed data that is displayed depends on what data is available in the EnterpriseOne database. Data can differ depending on the type of order.

9. To enter a remark about the selected line, complete the Remark field. You can enter up to 30 alpha-numeric characters. This field is optional.

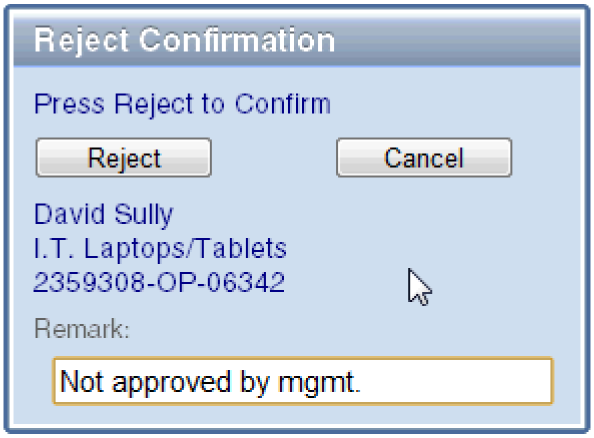
10. Continue to review each detail line until you are ready to reject or approve the order. You might need to scroll down the screen to review all detail lines, depending on the size of the order.

11. To reject the order, tap the Reject button.

    On the Reject Confirmation screen, you can enter a reason for rejecting the order in the Remark field. You can enter up to 30 alpha-numeric characters. This field is optional.

    After entering a remark, tap the Reject button to reject the order. Note that you can also tap the Cancel button if you do not want to reject the order.

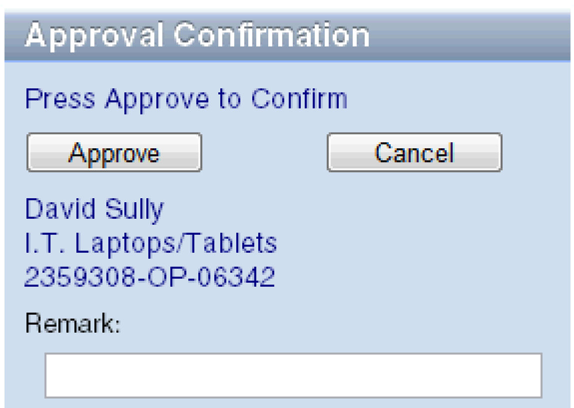
Figure 6–7 Reject Confirmation



12. To approve the order, tap the Approve button.

    On the Approval Confirmation screen, you can enter an optional remark, and then tap Approve to approve the order. Note that you can also click Cancel if you do not want to approve the order.

Figure 6–8 Approval Confirmation



13. After approving or rejecting an order, the system returns you to the Order Details screen and displays the next order awaiting your approval.

    You can also use the Next and Previous buttons to review other orders in the list. You can also use the Home button to return to the Purchase Order Approval Home screen. Notice that the orders you approved are no longer displayed, and the counts have been updated to reflect the number of orders currently awaiting approval.

    If there are no more orders to approve, the system returns you to the Purchase Order Approval Home screen and displays the message "No orders pending approval."

7

Mobile Requisition Self Service Review and Approval

This chapter contains these topics:

- Section 7.1, "Understanding Mobile Requisition Self Service"
- Section 7.2, "Reviewing and Approving Requisitions Using RSS Mobile"

7.1 Understanding Mobile Requisition Self Service

If your employees enter requisitions using Requisition Self Service (RSS), you can enable your managers and buyers to approve those requisitions on their mobile devices when they are away from the office.

Mobile RSS approval gives users the ability to:

- Review and approve or reject order-level requisitions.

  This action is typically completed by the manager of the employee who entered the requisition.

- Review and approve or reject line-level requisitions.

  This action is typically completed by a buyer or other member of the organization's procurement or purchasing department.

- Enter comments regarding why a requisition or line was approved or rejected.

7.1.1 Accessing Mobile RSS Using the Mobile Menu (Release 9.1 Update)

The Mobile EnterpriseOne Menu application (M0001) is now available as part of the JD Edwards EnterpriseOne mobile solution set. This application enables users to access all JD Edwards EnterpriseOne mobile applications from a single point of entry. This application also enables users to sign in only one time, and access all available mobile applications.

If your organization uses the Mobile EnterpriseOne Menu application to deploy your mobile applications, the user interface of the application will look slightly different than it appears in the screens shown in the following documentation in this chapter. Thos differences include:

- Screen Logo and Banner

  The logo and banner at the top of many forms has been updated.

- Menu Button

Many screens now include the ⊞ (menu) button. This button enables the user to return to the Mobile Solutions screen where they can launch other mobile applications, or sign out of all mobile applications they have accessed.

- Signing Out

  If you are accessing your application from the Mobile EnterpriseOne Menu application, you will no longer have Sign Out links within each application. Instead, you must return to the Mobile Solutions Home screen by clicking the menu button (described above), and then click the Sign Out link. Using this link logs the user out of all available EnterpriseOne mobile applications.

7.1.2 Understanding the Mobile RSS Data Flow

Mobile RSS approval processing uses business services to pass data between the EnterpriseOne database and the user's mobile device.

See Also:

- Section A.3, "Requisition Self Service Business Services."

This list describes the flow of data during the requisition review and approval process.

Note: (Release 9.1 Update)

The launch and sign-in portion of the following data flow does not include use of the Mobile EnterpriseOne Menu application, which enables users to sign into all available JD Edwards EnterpriseOne mobile applications with a single sign-in. For information on the Mobile EnterpriseOne Menu data flow, see Chapter 3, "Using the Mobile Menu (Release 9.1 Update)."

---

1. The user launches the Mobile RSS application on their mobile device and enters sign in credentials.
2. The getPurchaseOrderEmployeeProfile web service operation (J4300060) retrieves the employee's profile information from the EnterpriseOne database. Profile information includes the employees address book number, language preference, date format, and name.
3. The RSSApproverQueryProcessor web service operation (J43E0050) retrieves the RSS requisitions that are currently awaiting approval by the signed-on user.
4. The user is directed to the Requisition Approval screen, where all of the requisitions awaiting approval are displayed. The number of requisitions awaiting approval is displayed at the top of the screen.
5. The user selects a requisition to review.
6. The RSSDetailQueryProcessor web service operation (J43E0060) retrieves the detail information for the selected requisition from the EnterpriseOne database.
7. The user is then directed to the RSS Order or RSS Line screen, depending on whether a line-level or order-level requisition was selected.

   From these screens, the user can complete any of the following tasks:

   - Review header and detail information for the selected requisition. If the user is reviewing an order-level requisition, they can expand each line in the order to review additional detail.

- Review the justification text that was entered for the requisition.
- Approve or reject the requisition.

8. After reviewing the requisition, the user selects the Approve or Reject button.
9. The user is directed to one of the following screens, depending on whether they are working with a requisition order or a requisition line, and the action taken:
   - Approve RSS Order
   - Reject RSS Order
   - Approve RSS Line
   - Reject RSS Line
10. The user can enter a remark, which can be up to 250 characters.
11. The user confirms their approval or rejection of the requisition by pressing the Confirm or Cancel button.
12. The processRSSApproveReject web service operation (J43E0080) sends the approval or rejection information to the EnterpriseOne database and updates the requisition status.
13. The user is then directed to the detail of the next order awaiting approval. If no additional orders are awaiting approval, the system directs the user to RSS Approval home screen.

7.1.3 Prerequisite Knowledge and Data Requirements

Before you use mobile RSS approval functionality, Oracle recommends that you have a solid understanding of the JD Edwards EnterpriseOne Procurement system, as well as a solid understanding of Requisition Self Service functionality.

Additionally, you should be familiar with requisition approval processing in the base JD Edwards EnterpriseOne system before you approve requisitions using a mobile device. Oracle recommends testing your RSS approvals within the JD Edwards EnterpriseOne base system before implementing mobile RSS approval processing.

See Also:

- These topics in the *JD Edwards EnterpriseOne Applications Requisition Self Service Implementation Guide:*
  - "Setting Up the Requisition Self Service System."
  - "Reviewing and Approving Requisitions."
- These topics in the *JD Edwards EnterpriseOne Applications Procurement Management Implementation Guide*:
  - "Understanding Procurement"
  - "Processing Approvals."

7.1.4 Solution Assumptions and Constraints

Mobile applications are typically intended to be a scaled-down version of a larger application that is available in the base software. Therefore, most mobile applications offer a subset of the functionality that is available in the base software.

This table lists and explains the solution assumptions and constraints associated with the mobile RSS approval functionality:

Issue	Description
Connectivity to the network.	The ability to review and approve or reject orders on a mobile device is supported only if the user is able to sign in and connect to the JD Edwards EnterpriseOne system. This functionality does not enable users to access purchase orders when not connected to the network.
Editing requisitions.	Users are not able to edit the requisition using the mobile device. The Mobile RSS application enables users to review the requisition as it was entered, and then approve or reject it only. Mobile users cannot change the quantity, costs, dates, or any other data associated with the requisition from the mobile device.
Attachments and justification remarks.	Mobile RSS does not allow users to add attachments to a requisition, with one exception. Users are able to enter a text comment containing up to 250 characters when approving or rejecting the requisition. This comment (or justification) is attached to the requisition as a new text attachment if no text attachments already exist for the requisition. Or it will be appended to the end of the first existing text attachment for the specified requisition. Additionally, users are able to view only the first 250 characters of the first text attachment that is attached to a requisition. If the content of the text attachment is over 250 characters, the user can review the complete text in the EnterpriseOne base application. Users cannot view any other type of attachment, such as an image file, from their mobile device.

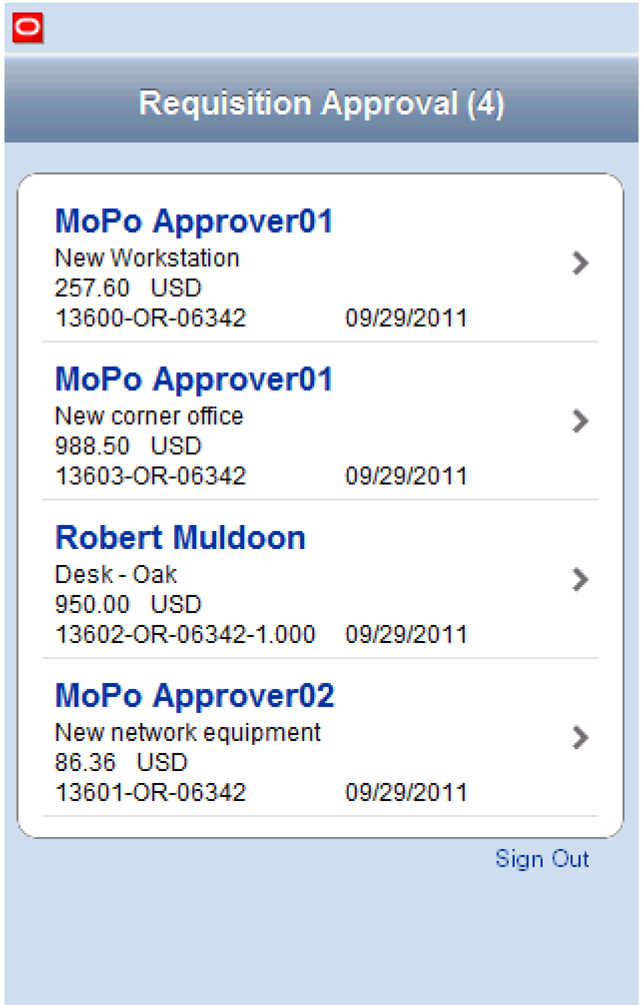
7.2 Reviewing and Approving Requisitions Using RSS Mobile

This section discusses how to use the mobile application to review, approve, and reject requisitions that were entered using the Requisition Self Service system.

7.2.1 Reviewing, Approving, and Rejecting Requisitions

1. Access the mobile application and enter valid user credentials.
2. On the Requisition Approval home screen, review the list of requisitions that are currently awaiting your approval. Note that the number of requisitions awaiting approval is displayed in the header of the screen.

Figure 7–1 Requisition Approval

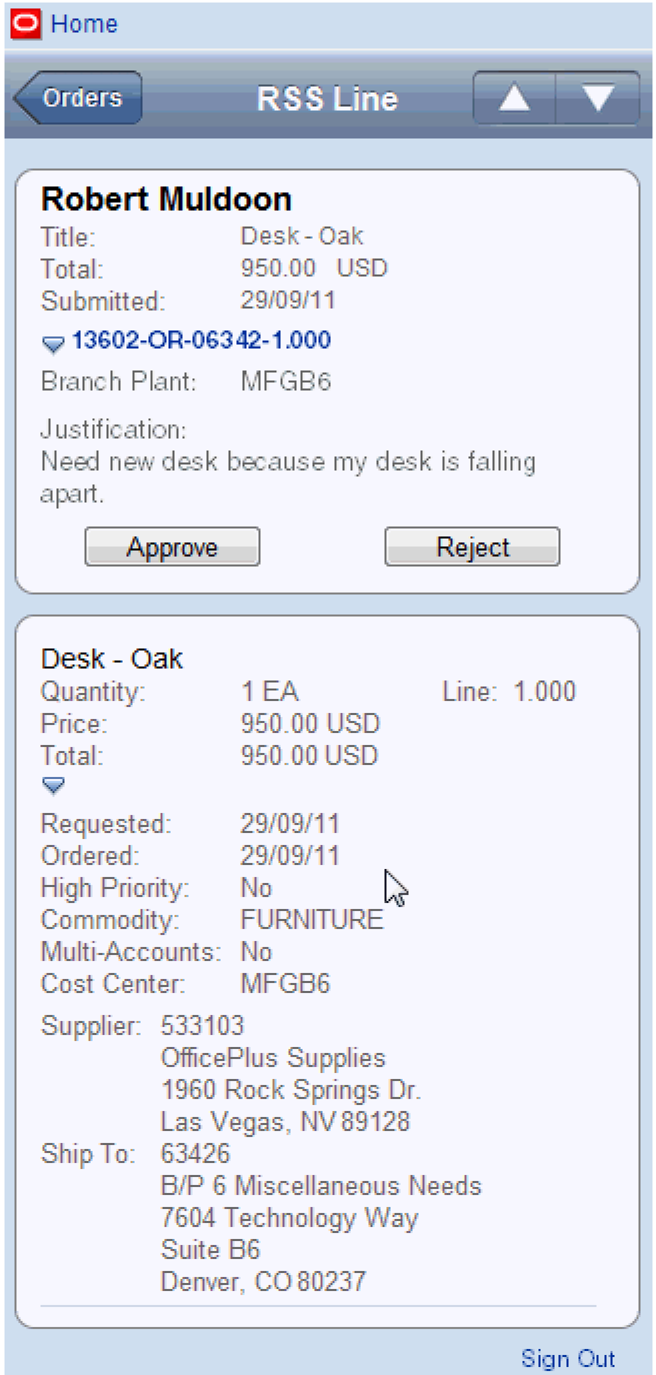


3. To select a requisition, tap anywhere on the requisition record.
4. From the RSS Order or RSS Line screen, you can review basic information about the order.

Figure 7–2 RSS Line

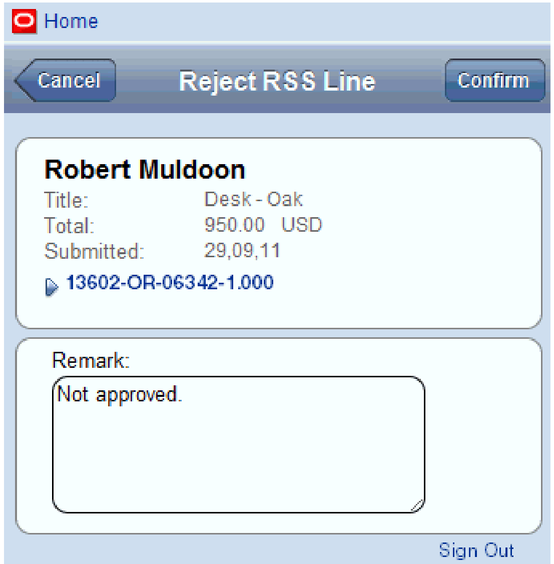
5. To view additional detail about the requisition, click on the expand arrow in the header. If you are reviewing a requisition with multiple line items, you can also expand each line to see the detail for each line.

Figure 7–3 RSS Line with Expanded Header



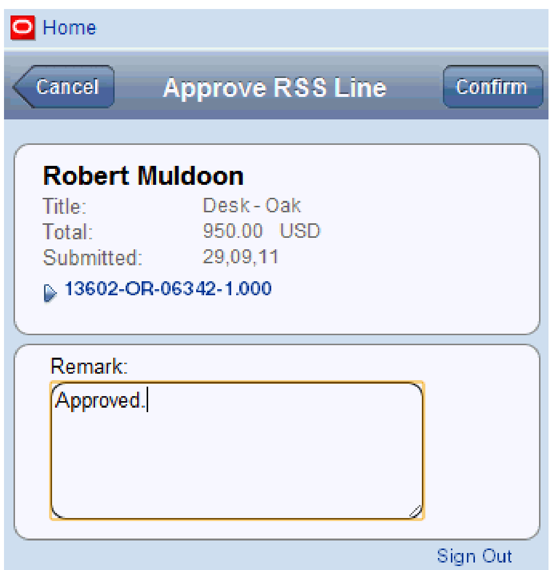
6. To reject the order, tap the Reject button. Then, on the Reject RSS Order screen, complete the optional Remark field and tap Confirm in the upper right corner of the screen.

Figure 7–4 Reject RSS Order



7. To approve the order, tap the Approve button. Then, on the Approve RSS Order screen, enter an optional remark and tap Confirm in the upper right corner of the screen.

Figure 7–5 Approve RSS Order



8. After approving or rejecting an order, the system directs you to the RSS Order screen and displays the next order awaiting your approval.

   To return to the home screen, tap the Orders or Home button.

   Alternatively, you can use the Previous (up arrow) and Next (down arrow) buttons to scroll through any remaining orders.

8 Inquiring on Sales Information Using a Mobile Device

This chapter contains these topics:

- Section 8.1, "Understanding Mobile Sales Functionality"
- Section 8.2, "Defining Default Search Criteria"
- Section 8.3, "Inquiring on Sales Information"

8.1 Understanding Mobile Sales Functionality

You use the Mobile Sales application to enable users to connect to the JD Edwards EnterpriseOne database using their mobile devices so they can inquire on sales-related information while they are off site. This functionality is critical for sales personnel who travel to customer sites, and are frequently away from the office.

The Mobile Sales application gives users the ability to:

- Define default search criteria for order searches, item availability searches, and item pricing searches.
- Inquire on open sales orders that are still in process.
- Inquire on historical sales orders that have been completed.
- Inquire on item base price information.
- Inquire on item availability information.

8.1.1 Accessing Sales Inquiries Using the Mobile Menu (Release 9.1 Update)

The Mobile EnterpriseOne Menu application (M0001) is now available as part of the JD Edwards EnterpriseOne mobile solution set. This application enables users to access all JD Edwards EnterpriseOne mobile applications from a single point of entry. This application also enables users to sign in only one time, and access all available mobile applications.

If your organization uses the Mobile EnterpriseOne Menu application to deploy your mobile applications, the user interface of the application will look slightly different than it appears in the screens shown in the following documentation in this chapter. Thos differences include:

- Screen Logo and Banner

  The logo and banner at the top of many forms has been updated.

- Menu Button

Many screens now include the (menu) button. This button enables the user to return to the Mobile Solutions screen where they can launch other mobile applications, or sign out of all mobile applications they have accessed.

- Signing Out

  If you are accessing your application from the Mobile EnterpriseOne Menu application, you will no longer have Sign Out links within each application. Instead, you must return to the Mobile Solutions Home screen by clicking the menu button (described above), and then click the Sign Out link. Using this link logs the user out of all available EnterpriseOne mobile applications.

8.1.2 Data Flow for Sales Inquiries

Mobile sales inquiries use business services to pass data between the EnterpriseOne database and the user's mobile device. These sections describe the flow of data during each of the sales inquiry processes.

Note: (Release 9.1 Update)

The launch and sign-in portion of the following data flows do not include use of the Mobile EnterpriseOne Menu application, which enables users to sign into all available JD Edwards EnterpriseOne mobile applications with a single sign-in. For information on the Mobile EnterpriseOne Menu data flow, see Chapter 3, "Using the Mobile Menu (Release 9.1 Update)."

8.1.2.1 Sales Order Inquiry Data Flow

1. The user launches the Mobile Sales application from their mobile device and enters their sign on credentials.
2. The getUserProfile business service (J0000080) calls the Get Mobile Version for User business function (B0001400), which retrieves the appropriate version of the M4200010, and the Mobile Sales home screen is displayed.
3. The user selects Sales Order Inquiry option from the home screen and the mobile device displays the Sales Order Search screen.
4. The system populates the screen with any default search criteria that has been set up.

   Optionally, the user can enter additional criteria, or update the default criteria, to define which sales orders to include in the query. If the user specifies or searches for a document type to include in the query, the getUDCDescription web service operation (J0000050) returns or validates the values against UDC table 00/DT.
5. The user clicks Search, and the getMobileSalesOrderHeader web service operation retrieves the records that match the specified search criteria from the EnterpriseOne database.
6. The user selects a sales order header record, and the getMobileSalesOrderDetail web service operation retrieves that detail records associated with the selected sales order from the EnterpriseOne database.
7. The user can expand or collapse sales order detail information to review the necessary data for the selected order.

8.1.2.2 Item Pricing Inquiry Data Flow

1. The user launches the Mobile Sales application from their mobile device and enters their sign on credentials.
2. The getUserProfile business service (J0000080) calls the Get Mobile Version for User business function (B0001400), which retrieves the appropriate version of the M4200010, and the Mobile Sales home screen is displayed.
3. The user selects Item Base Price from the Home screen and the mobile device displays the Base Price Search screen.
4. The system populates the screen with any default search criteria that has been set up.

   Optionally, the user enters additional criteria, or updates the default criteria, to specify which item price records to retrieve.

   If the user searches for a valid item number to include in the search, the getItemSearch web service operation (J4100050) retrieves valid item numbers from the EnterpriseOne database.

   If the user searches on valid branch plants to include in the search criteria, the getItemBranchSearch web service operation (J4100060) retrieves valid branch plant records from the EnterpriseOne database.
5. The user clicks Search, and the getItemPrice web service operation (J4100040) retrieves pricing records that match the specified search criteria from the EnterpriseOne database.
6. The user can then select a pricing record to review the detailed information for that record.

> **Note:** The user can jump from the pricing data flow to the availability data flow using the Availability button. This functionality enables users to check pricing and availability information for an item quickly and easily. Item availability is discussed as a separate data flow.

8.1.2.3 Item Availability Inquiry Data Flow

1. The user launches the Mobile Sales application from their mobile device and enters their sign on credentials.
2. The getUserProfile business service (J0000080) calls the Get Mobile Version for User business function (B0001400), which retrieves the appropriate version of the M4200010, and the Mobile Sales home screen is displayed.
3. The user selects Item Availability from the Home screen and the mobile device displays the Availability Search screen.
4. The system populates the screen with any default search criteria that has been set up.

   Optionally, the user enters additional criteria, or updates the default criteria, to specify which item availability records to retrieve.

   If the user searches for a valid item number to include in the search, the getItemSearch web service operation (J4100050) retrieves valid item numbers from the EnterpriseOne database.

If the user searches on valid branch plants to include in the search criteria, the getItemBranchSearch web service operation (J4100060) retrieves valid branch plant records from the EnterpriseOne database.

5. The user clicks Search, and the getCalculatedAvailability web service operation (J4100007) retrieves availability records from the EnterpriseOne database that match the specified search criteria.

   The user can choose to hide records with zero availability, or to search by unit of measure.

6. The user can then select a record to review the detailed information.

> **Note:** The user can jump from the availability data flow to the pricing data flow using the Price button. This functionality enables users to check pricing and availability information for an item quickly and easily. Item price inquiry is discussed as a separate data flow.

8.1.3 Prerequisite Knowledge and Data Requirements

Before you can use the mobile sales inquiry functionality, you must have a solid understanding of the JD Edwards EnterpriseOne Sales Order Management system. You must also have a solid understanding of the pricing setup that your organization uses.

See Also:

- "Getting Started With JD Edwards EnterpriseOne Sales Order Management" in the *JD Edwards EnterpriseOne Applications Sales Order Management Implementation Guide.*
- "Setting Up Base and Standard Pricing" in the *JD Edwards EnterpriseOne Applications Sales Order Management Implementation Guide.*
- "Entering Item Information" in the *JD Edwards EnterpriseOne Applications Inventory Management Implementation Guide.*

Additionally, you must set the processing options for the Mobile Sales application (M4200010). You use these processing options to specify which of the mobile sales inquiry options are available to users when they log into the mobile application. You can choose to show or hide the sales order inquiry, the availability inquiry, and the base price inquiry. You can create multiple versions of this program if you want to make different inquiries available to different users in your organization.

See:

- Section 2.1, "Setting Up Versioning for Mobile Applications."

8.1.3.1 Setting Processing Options for the Mobile Sales Program (M4200010)

You use these processing options to define which inquiry options are available to users when they log into the mobile sales application.

Option	Description
1. Display or Hide Sales Order Inquiry	Use this processing option to specify whether to show or hide the Sales Order Inquiry option when a user logs into the mobile application. Values include: ■ Blank: Show the Sales Order Inquiry option. ■ 1: Hide the Sales Order Inquiry option.
2. Display or Hide Item Availability	Use this processing option to specify whether to show or hide the Item Availability Inquiry option when a user logs into the mobile application. Values include: ■ Blank: Show the Item Availability Inquiry option. ■ 1: Hide the Item Availability Inquiry option.
3. Display or Hide Item Base Price	Use this processing option to specify whether to show or hide the Item Base Price Inquiry option when a user logs into the mobile application. Values include: ■ Blank: Show the Item Base Price Inquiry option. ■ 1: Hide the Item Base Price Inquiry option.

8.1.4 Solution Assumptions and Constraints

Mobile applications are typically intended to be a scaled-down version of a larger application that is available in the base software. Therefore, most mobile applications offer a subset of the functionality that is available in the base software.

This table lists and explains the solution assumptions and constraints associated with the mobile sales inquiry functionality:

Issue	Description
Connectivity to the network.	The ability to search for and review sales orders on a mobile device is supported only if the user is able to sign in and connect to the JD Edwards EnterpriseOne system. This functionality does not enable users to access sales order data when not connected to the network.
Expanded detail lines.	When you search for sales orders, and you select and order, and then expand a detail line on that order, that same detail line will be expanded if you use the scroll buttons to move to another sales order. For example, if you search for sales orders, and the search results provide 3 orders, you might access the first order and expand the second detail line on that order to view it in additional detail. If you then use the scroll buttons to review the next order, the second detail line on that order will already be expanded, as the formatting of the order is carried forward from the first order you viewed.
Error messages clear when clicking Expand or Collapse.	If you receive error messages when you search for sales orders, and then you click on the Expand or Collapse icons, the system clears the error messages from the screen. This occurs because of the page refresh functionality when clicking Expand or Collapse.

8.2 Defining Default Search Criteria

This section discusses how to complete the following tasks on a mobile device:

- Define default order search criteria.

- Defining default item availability search criteria.
- Defining default item pricing search criteria.

The Mobile Sales application enables users to easily search for sales-related information while they are away from the office. To facilitate these inquiries, users can defined default search criteria that the system automatically loads when the user accesses the mobile application.

You can defined default search criteria for:

- Sales order inquiries.
- Item availability inquiries.
- Item base price inquiries.

You can have only one active default set of search criteria for each inquiry. Each time you enter or update search criteria and click Save, the system updates your default search criteria with the values that are currently displayed on the form.

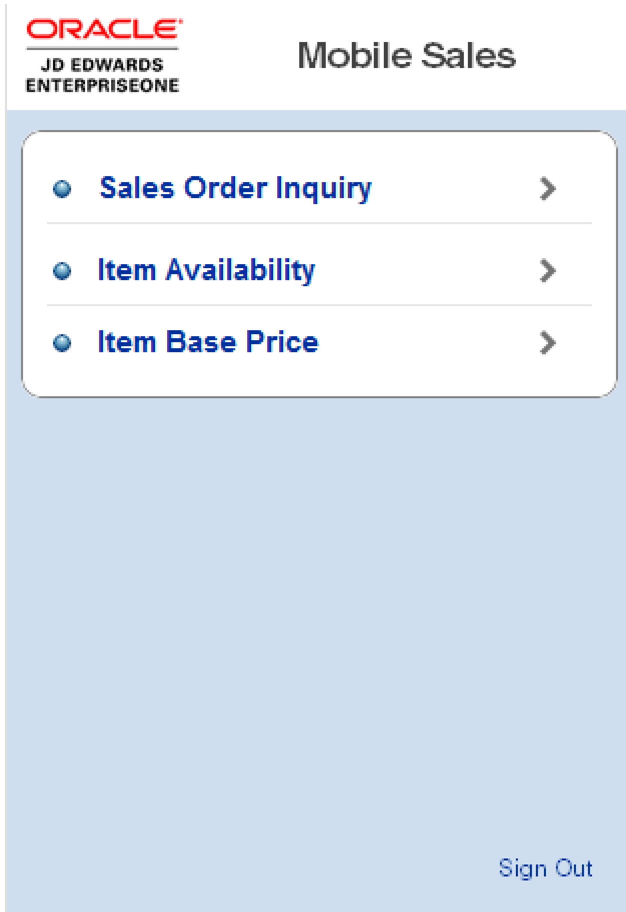
Additionally, you can clear your default values when you access a sales inquiry screen by tapping the Clear button, or you can restore your default values to the set of criteria that was last saved by tapping the Restore button.

8.2.1 Defining Default Order Search Criteria

To define default order search criteria:

1. Access the mobile application and enter valid user credentials.
2. From the Mobile Sales home screen, tap the Sales Order Inquiry option.

Figure 8–1 Mobile Sales Home

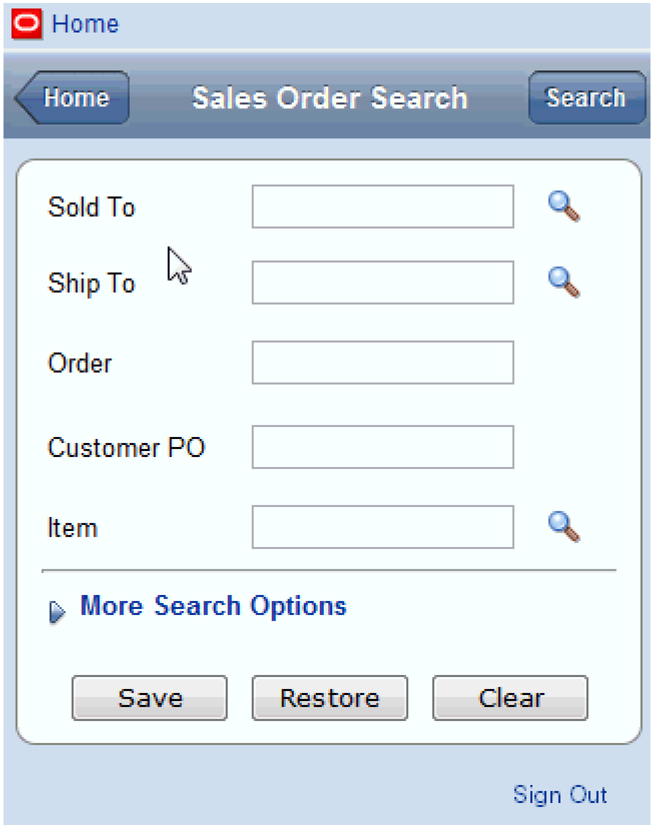


3. On the Sales Order Search screen, complete any of the following fields to define your default search criteria:

   - Sold To
   - Ship To
   - Order
   - Customer PO
   - Item

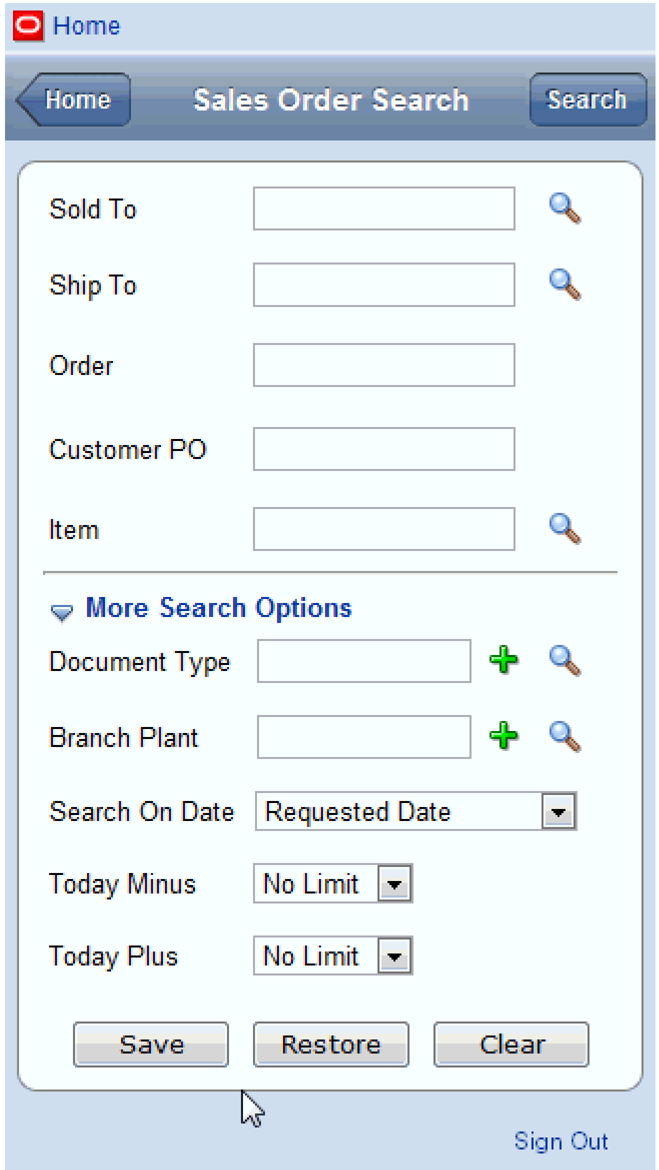
   You can tap the visual assist icon to search for and select valid sold to, ship to, and item values.

Figure 8–2 Sales Order Search



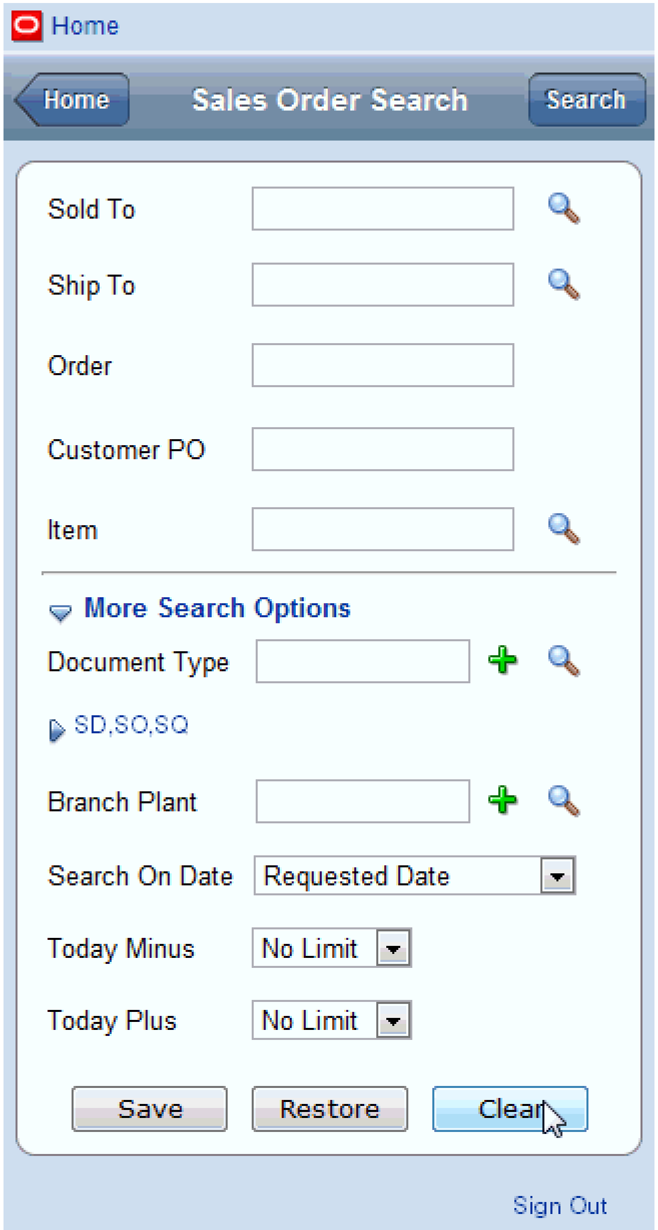
4. To display additional search fields, tap the More Search Options link.

Figure 8–3 More Search Options



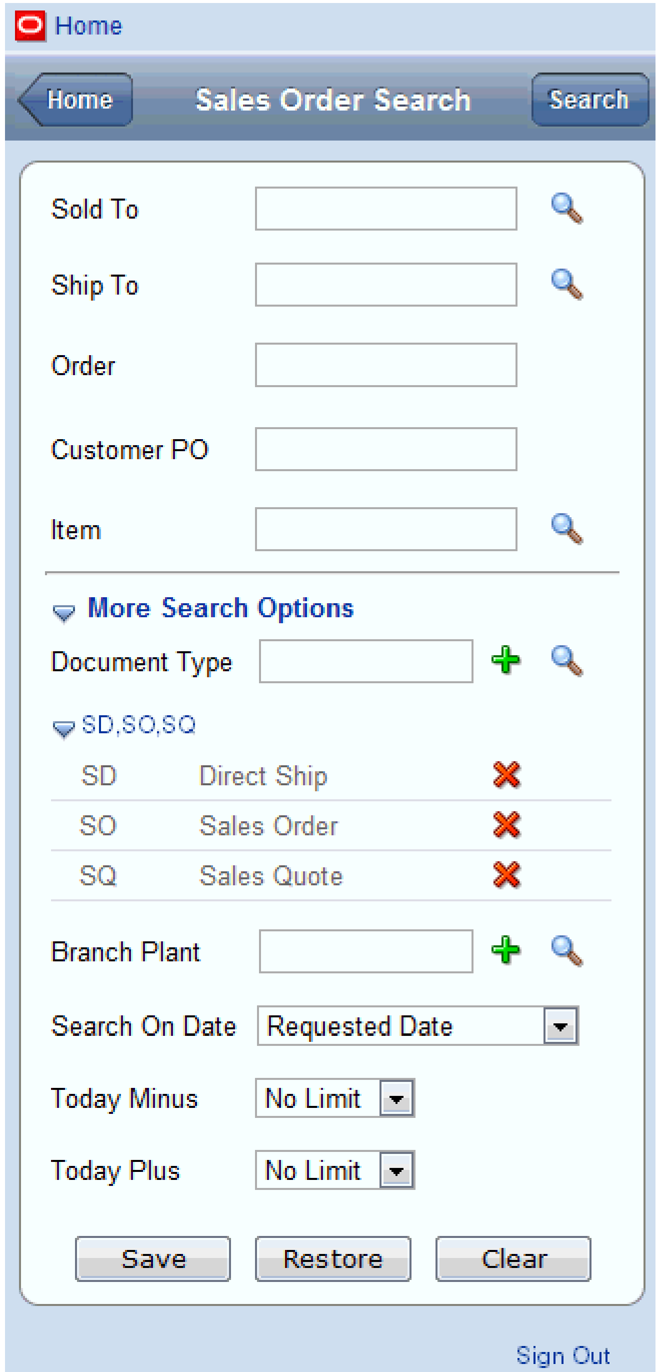
5. To add a Document Type value to your search criteria, you can either use the visual assist icon to search for values and return them to the Document Type field, or you can manually enter a value in the field. Once the value is in this field, tap the green Add icon to add the document type to your search criteria. You can add multiple document types to your search criteria. As you add values, they appear in a list below the Document Type field.

Figure 8–4 Adding Document Types



6. To remove a document type, expand the list, and tap the red X next to the value you want to remove.

Figure 8–5 Removing Document Types



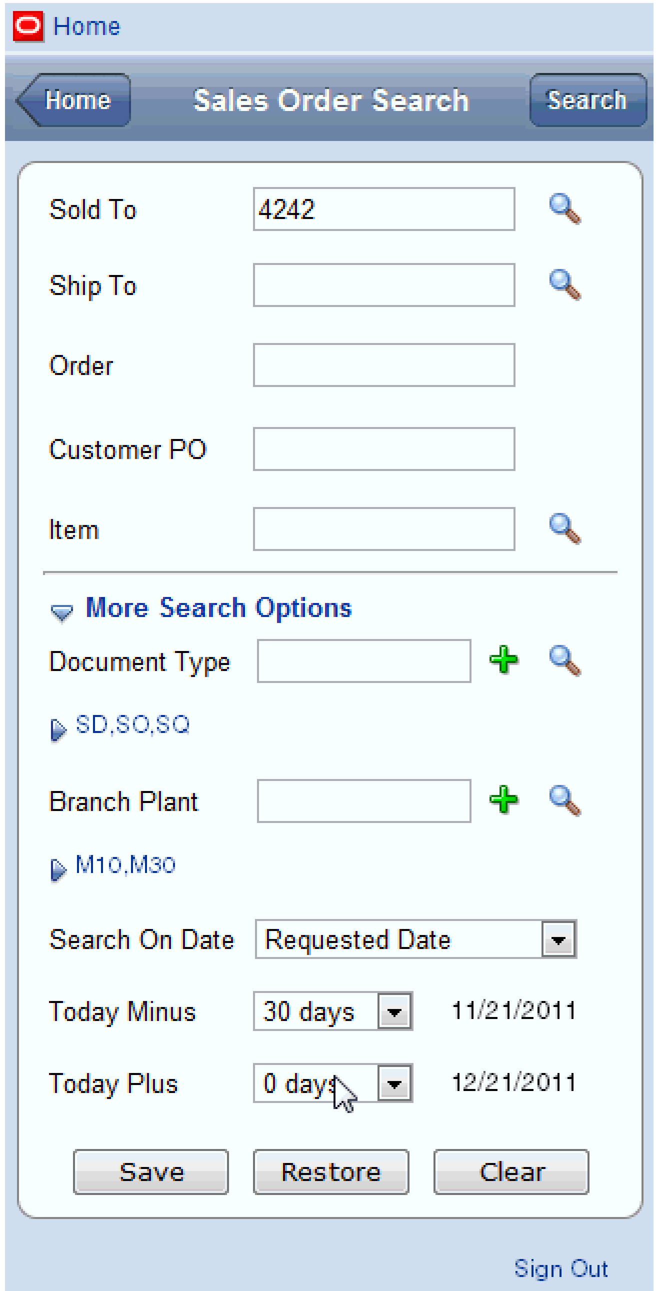
7. To add a Branch Plant value to your search criteria, you can either use the visual assist icon to search for values and return them to the Branch Plant field, or you can manually enter a value in the field. Once the value is in this field, tap the green Add icon to add the branch plant to your search criteria. You can add multiple branch plants to your search criteria. As you add values, they appear in a list below the Branch Plant field.

8. To remove a branch plant value from the search criteria, expand the list of branch plants, and tap the red X next to the value you want to remove.

9. Specify the date on which you want to base your search by selecting a value from the Search On Date drop down list. Values include:
   - Requested Date
   - Transaction Date
   - Scheduled Pick Date
   - Original Promised Date
   - Price Effective Date
10. Use the Today Minus and Today Plus fields to specify the date range. For example, if you want to search for orders with a requested date within the last 30 days, select 30 days from the Today Minus drop down list, and select 0 days from the Today Plus drop down list.

    When you select an option in either of these fields, the system displays the dates that will be used to perform your search.
11. When you have entered all of your search criteria, tap the Save button.

Figure 8–6 Default Sales Order Search



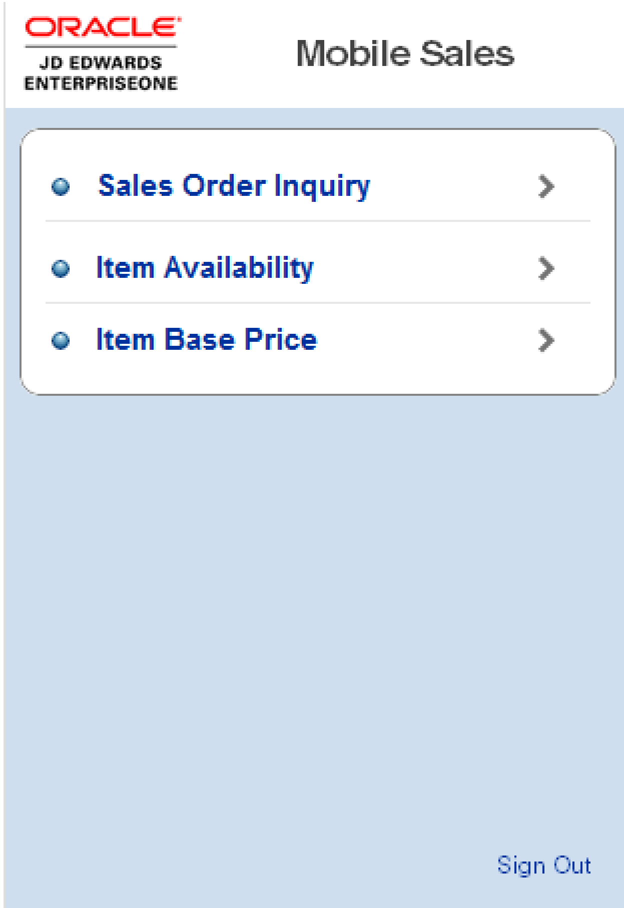
12. To update your default search criteria, simply complete these steps again. Each time you tap Save, the current values become the default search criteria.

8.2.2 Defining Default Item Availability Search Criteria

To define default item availability search criteria:

1. Access the mobile application and enter valid user credentials.
2. From the Mobile Sales home screen, tap the Item Availability option.

Figure 8–7 Mobile Sales Home



3. On the Availability Search screen, complete any of the following optional fields to define your default search criteria:

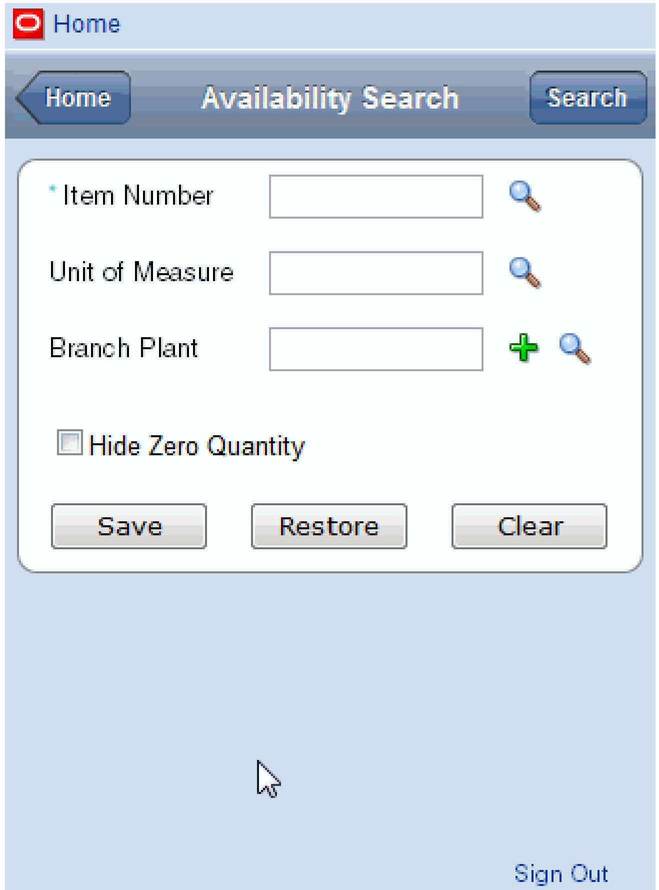
   - Item Number

     This field is not required when defining default search criteria. However, it is a required field when performing a search.

   - Unit of Measure

   You can tap the visual assist icon to search for and select valid item number and unit of measure values.

Figure 8–8 Availability Search



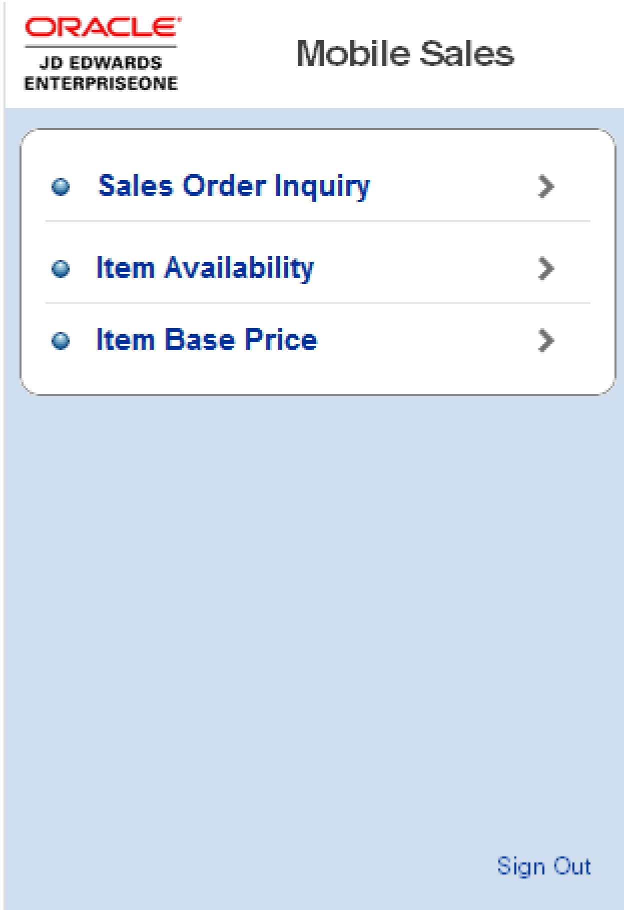
4. To add a Branch Plant value to your search criteria, you can either use the visual assist icon to search for and select a value, or you can manually enter a value in the field, and then tap the green Add icon to add the branch plant. You can add multiple branch plants to your search criteria. As you add values, they appear in a list below the Branch Plant field.
5. To remove a branch plant value from the search criteria, expand the list of branch plants, and tap the red X next to the value you want to remove.
6. Select the Hide Zero Quantity option to exclude records with a zero quantity from your search results.
7. When you have entered all of your search criteria, tap the Save button.
8. To update your default search criteria, simply complete these steps again. Each time you tap Save, the current values become the default search criteria.

8.2.3 Defining Default Item Pricing Search Criteria

To define default item pricing search criteria:

1. Access the mobile application and enter valid user credentials.
2. From the Mobile Sales home screen, tap the Item Base Price option.

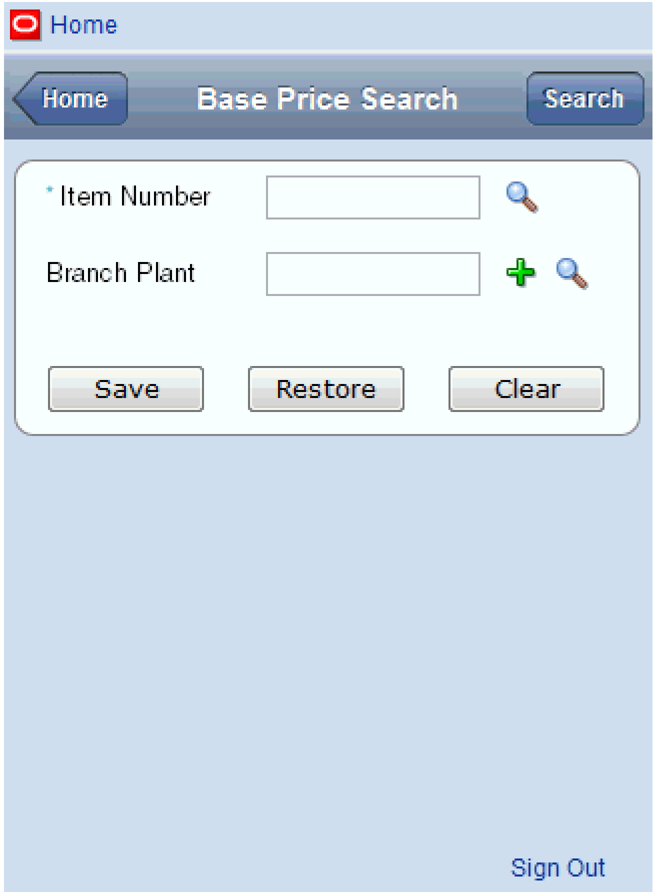
Figure 8–9 Mobile Sales Home



3. On the Base Price Search screen, complete the Item Number field if you want to include a specific item number in your default search criteria. You can tap the visual assist icon to search for and select valid item number values.

   This field is not required when defining default search criteria. However, it is a required field when performing a search.

Figure 8–10 Base Price Search



4. To add a Branch Plant value to your search criteria, which is optional, you can either use the visual assist icon to search for a value and return it to the Branch Plant field, or you can manually enter a value in the field. Once you have a value in the field, tap the green Add icon to add the branch plant to your search criteria. You can add multiple branch plants to your search criteria. As you add values, they appear in a list below the Branch Plant field.
5. To remove a branch plant value from the search criteria, expand the list of branch plants, and tap the red X next to the value you want to remove.
6. When you have entered all of your search criteria, tap the Save button.
7. To update your default search criteria, simply complete these steps again. Each time you tap Save, the current values become the default search criteria.

8.3 Inquiring on Sales Information

This section discusses how to complete the following tasks on a mobile device:

- Inquire on sales orders.
- Inquire on item availability.
- Inquire on item pricing information.

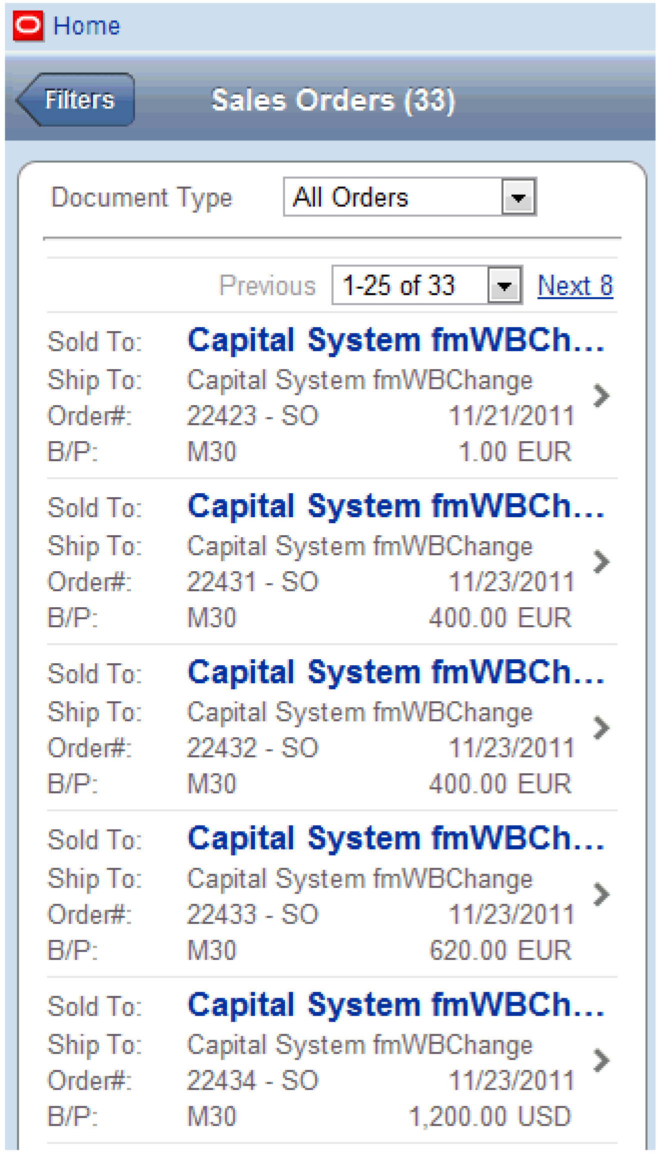
8.3.1 Inquiring On Sales Orders Using a Mobile Device

To search for and review an open sales order, complete these steps:

1. Access the mobile application and enter valid user credentials.
2. From the Mobile Sales home screen, tap the Sales Order Inquiry option.
3. If you have set up default search criteria, the system displays your default search values. To change the default search values, complete one or more of these steps:
   - Tap the Clear button to clear all default values.
   - Manually enter new values.

   You can tap the Save button to save this new information as our default search criteria. You can also tap the Restore button to return your values to the pervious default values.
4. Tap the Search button. The system displays all orders that meet your search criteria, along with the number of records returned.

Figure 8–11 Sales Order Search Results



5. Optionally, you can narrow your list of results by selecting a document type value from the Document Type drop down list.

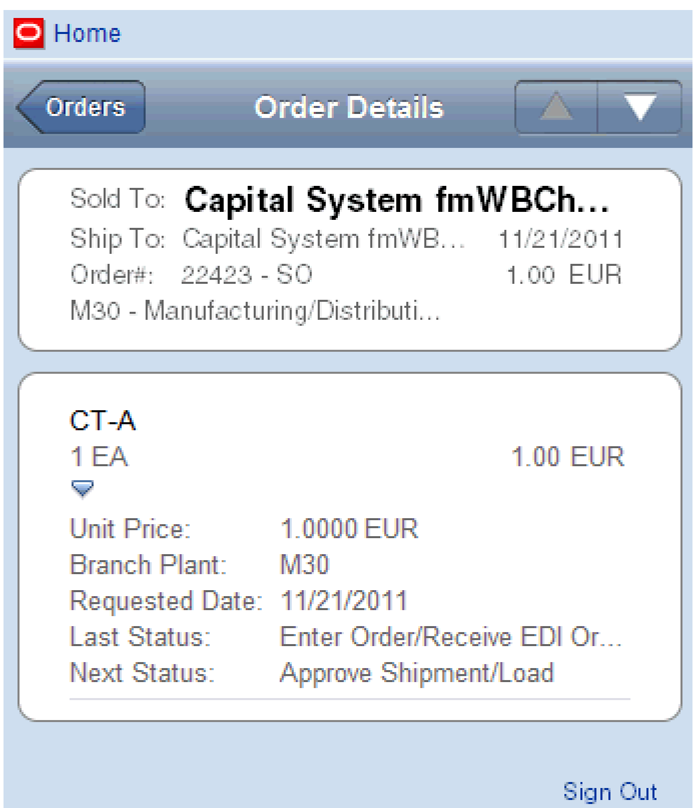
   The list includes only the document types of the orders in the current list.

6. Tap a record to review detailed information about the order.

Figure 8–12 Order Details

7. To review additional information about the order details, tap a detail record to expand the display.

Figure 8–13 Order Details - Expanded



8. To return to the Sales Orders screen, click the Orders button. Alternatively, you can click the Next and Previous buttons to review additional orders. Note that if a Document Type has selected to narrow the results, that only the selected Document Type will appear when using the Next and Previous buttons.

8.3.2 Inquiring On Item Availability Using a Mobile Device

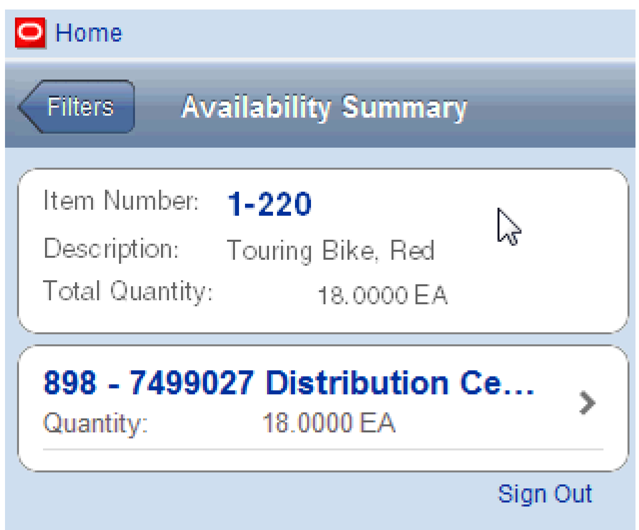
To search for and review item availability information, complete these steps:

1. Access the mobile application and enter valid user credentials.
2. From the Mobile Sales home screen, tap the Item Availability option.
3. If you have set up default search criteria, the system displays your default search values. To change the default search values, complete one or more of these steps:
   - Tap the Clear button to clear all default values.
   - Manually enter new values.

   You must have a value in the Item Number field to perform an availability search.

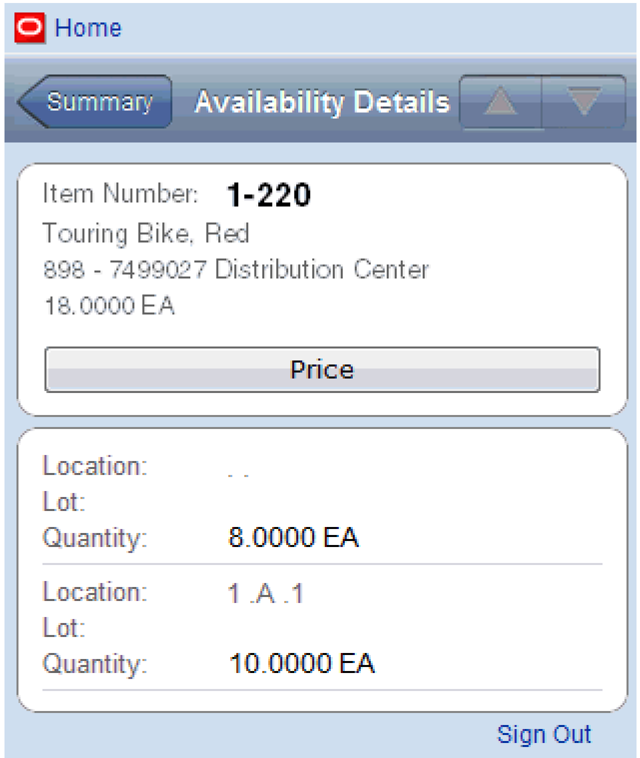
   You can also tap the Restore button to return your values to the default values.
4. Tap the Search button.
5. The system displays all records that meet your search criteria on the Availability Summary screen.

Figure 8–14 Availability Summary



6. To view details of the availability record, tap on the record.

Figure 8–15 Availability Details



7. To view pricing information for the selected record, tap the Price button.

Figure 8–16 Base Price Details

Note: From the Base Price Details form, tapping the Filter button will redirect you to the Base Price Search screen. To return to the Availability Details screen, use the back button on your browser.

8.3.3 Inquiring On Item Pricing Information Using a Mobile Device

To search for and review item pricing information, complete these steps:

1. Access the mobile application and enter valid user credentials.
2. From the Mobile Sales home screen, tap the Item Base Price option.
3. If you have set up default search criteria, the system displays your default search values. To change the default search values, complete one or more of these steps:
   - Tap the Clear button to clear all default values.
   - Manually enter new values.

   You must have a value in the Item Number field to perform a price search.

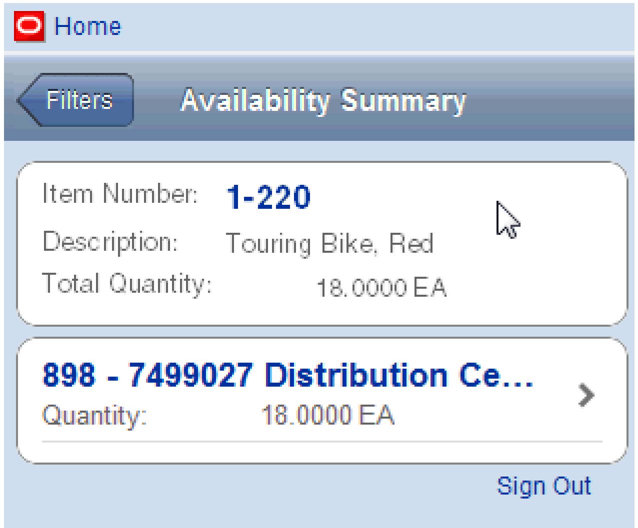
   You can also tap the Restore button to return your values to the default values.
4. Tap the Search button.

5. The system displays all records that meet your search criteria on the Base Price Details screen.

Figure 8–17 Base Price Details

6. To view availability information for the selected item, tap the Availability button.
7. The system directs you to the Availability Summary screen, where you can review summary information, or tap a record to review detailed availability information.

Figure 8–18 Availability Summary



Note: From the Availability Summary form, tapping the Filter button will redirect you to the Availability Search screen. To return to the Base Price Details screen, use the back button on your browser.

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9 Mobile Service Time Entry (Release 9.1 Update)

This chapter discusses these topics:

9.1 Understanding Mobile Service Order Time Entry

You use the Mobile Service Time Entry application to enable remote workers to enter timecard information against an existing work order using a mobile device. The Mobile Service Time Entry application gives users the ability to:

- Search for and review existing timecards that have been processed or are awaiting processing.
- Enter timecard information.
- Edit timecard information for unprocessed timecards.

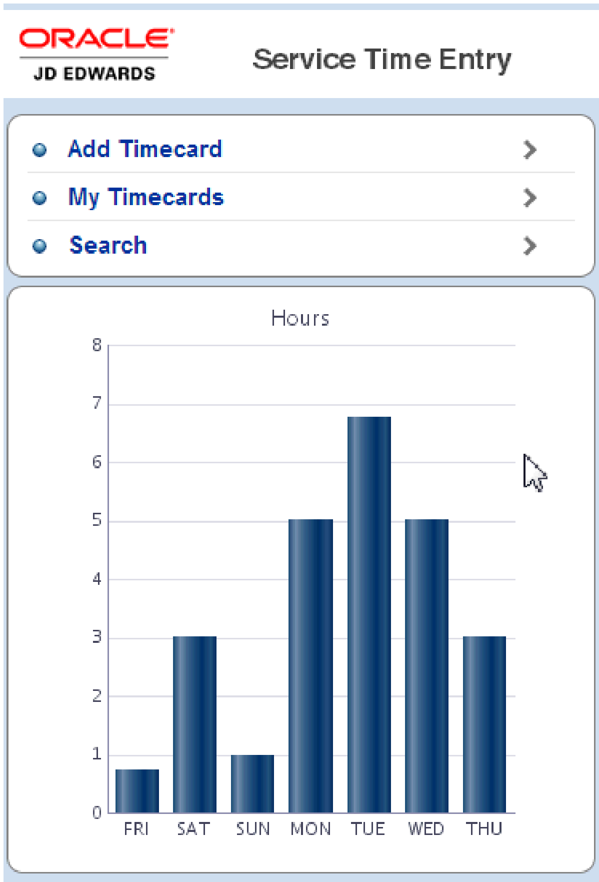
The Mobile Service Time Entry program uses the Service Work Order Time Entry Processing Options program (M311221) to identify whether certain fields appear in the application, and to specify default values for some fields. You can set up multiple versions of this program, and assign them to different employees or roles within your organization.

See Also:

9.1.1 Understanding the Home Screen Graph

When you log into the Mobile Service Time Entry application on your mobile device, the system displays a chart that graphically identifies the number of hours you have entered for each day in the current week. The current week includes the system date, and the previous six calendar days. The user can tap on a specific day to review processed and unprocessed timecards associated with that day.

Figure 9–1 Service Time Entry Home Screen



9.1.2 Accessing Mobile Service Time Entry Using the Mobile Menu (Release 9.1 Update)

The Mobile EnterpriseOne Menu application (M0001) is now available as part of the JD Edwards EnterpriseOne mobile solution set. This application enables users to access all JD Edwards EnterpriseOne mobile applications from a single point of entry. This application also enables users to sign in only one time, and access all available mobile applications.

If your organization uses the Mobile EnterpriseOne Menu application to deploy your mobile applications, the user interface of the application will look slightly different than it appears in the screens shown in the following documentation in this chapter. Those differences include:

- Screen Logo and Banner

  The logo and banner at the top of many forms has been updated.

- Menu Button

  Many screens now include the (menu) button. This button enables the user to return to the Mobile Solutions screen where they can launch other mobile applications, or sign out of all mobile applications they have accessed.

- Signing Out

If you are accessing your application from the Mobile EnterpriseOne Menu application, you will no longer have Sign Out links within each application. Instead, you must return to the Mobile Solutions Home screen by clicking the menu button (described above), and then click the Sign Out link. Using this link logs the user out of all available EnterpriseOne mobile applications.

9.1.3 Understanding Mobile Service Time Entry Data Flows

The Mobile Service Time Entry application uses business services to pass data between the JD Edwards EnterpriseOne database and the user's mobile device. See Section A.5, "Mobile Service Time Entry Business Services."

The following sections describe the data flow for each piece of functionality offered by the application.

Note: (Release 9.1 Update)

The launch and sign-in portion of the following data flows do not include use of the Mobile EnterpriseOne Menu application, which enables users to sign into all available JD Edwards EnterpriseOne mobile applications with a single sign-in. For information on the Mobile EnterpriseOne Menu data flow, see Chapter 3, "Using the Mobile Menu (Release 9.1 Update)."

9.1.3.1 Mobile Timecard Entry Data Flow

Using the Mobile Service Time Entry application, users can enter new timecards for the time that they work. This list describes the flow of data during the timecard entry process:

1. The user launches the Mobile Service Time Entry application from their mobile device and enters their sign on credentials.
2. The getServiceTimeCardProcessingOption operation (J1700070) gets the processing option values associated with the M311221 application.
3. The getServiceTimeCards operation (J1700050) retrieves the user's timecards for the week, which is the system date plus the previous six days, and generates a bar graph that displays the number of hours worked during each day.
4. The user selects Add Timecard from the menu, and the system brings the user to the Add Timecard form. Or, the user taps a bar in the graph, and then taps the Add button on the My Timecards form.
5. The user completes the fields required to enter a timecard. After entering a valid work order number, the getServiceOperationSequence operation (J1700060) retrieves the operation sequences associated with the order. The user then selects one of the sequence numbers from the list of available values.
6. The user taps the Save button and the processServiceTimecard operation (J1700080) saves the user's time entry record in the EnterpriseOne database.
7. The user is returned to the Home screen and the bar graph is updated to include the newly entered timecard.

9.1.3.2 Mobile Timecard Edit Data Flow

Using the Mobile Service Time Entry application, users can edit or delete existing timecards that have not yet been processed in the EnterpriseOne system. This list describes the flow of data during the timecard edit and delete process:

1. The user launches the Mobile Service Time Entry application from their mobile device and enters their sign on credentials.
2. The getServiceTimeCardProcessingOption operation (J1700070) gets the processing option values associated with the M311221 application.
3. The getServiceTimeCards operation (J1700050) retrieves the user's timecards for the week, which is the system date plus the previous six days, and generates a bar graph that displays the number of hours worked during each day.
4. The user completes one of the following actions to retrieve the timecard they want to edit or delete:
   - The user taps a bar in the graph if the timecard they want to edit or delete is associated with one of the days displayed in the graph. For example, to edit a timecard that was entered for Wednesday, tap the Wednesday bar in the graph. The system displays the My Timecards form listing all of the timecards for that day.
   - The user taps the My Timecards menu option. The system displays the My Timecards form listing all of the timecards for the week.
5. From the My Timecards form, the user selects the timecard they want to edit or delete.
6. To edit the timecard, the user can change all values except for the Order Number value, and then tap the Save button. The processServiceTimecard operation (J1700080) saves the updated information in the EnterpriseOne database.

   To edit the order number, the user must delete the timecard with the incorrect order number, and add a new timecard with the correct order number.
7. To delete a timecard, the user taps the Delete button, and clicks OK to confirm the deletion. The processServiceTimecard operation (J1700080) deletes the record from the EnterpriseOne database.
8. The user is returned to the My Timecards page where the updated data is reflected.

9.1.3.3 Mobile Timecard Search Data Flow

Using the Mobile Service Time Entry application, users can search for and review existing timecards. Users can review processed or unprocessed timecards. This list describes the flow of data during the timecard search process:

1. The user launches the Mobile Service Time Entry application from their mobile device and enters their sign on credentials.
2. The getServiceTimeCardProcessingOption operation (J1700070) gets the processing option values associated with the M311221 application.
3. The getServiceTimeCards operation (J1700050) retrieves the user's timecards for the week, which is the system date plus the previous six days, and generates a bar graph that displays the number of hours worked during each day.
4. The user taps the Search option in the menu.
5. On the My Timecards form, the user can:
   - Select the Include Processed Records option to display both processed and unprocessed timecards. If this option is not selected, the search returns only unprocessed timecards.
   - Enter an order number.

- Update the Work Date From and Work Date Thru fields. The user can manually enter these dates, use the default dates, or use the plus or minus icons to change the dates.
- The user taps the Search button and the getServiceTimecards operation (J1700050) retrieves the timecards that match the search criteria.

9.1.4 Prerequisite Knowledge and Data Requirements

Before you use the Mobile Service Time Entry application, Oracle strongly recommends that you have a solid understanding and working knowledge of the service time entry process.

See Also:

Entering Time in the *JD Edwards EnterpriseOne Applications Service Management Implementation Guide.*

9.1.5 Solution Assumptions and Constraints

Mobile applications are typically intended to be a scaled-down version of a larger application that is available in the base software. Therefore, most mobile applications offer a subset of the functionality that is available in the base software.

9.2 Configuring Mobile Service Time Entry

Before you can use the Mobile Service Time Entry application on a mobile device, you must set the processing options for the Service Work Order Time Entry Processing Options program (M311221) .

9.2.1 Setting Processing Options for the Service Work Order Time Entry Program (M311221)

You use processing options to set default values for processing and display information.

9.2.1.1 Display Tab

1. Hide Operation Status Code

Use this option to specify whether the Operation Status Code field is displayed on the Add Timecard, Edit Timecard, and Process Timecard screens of the mobile application. Values include:

Blank: Display the field.

1: Hide the field.

9.2.1.2 Default Tab

1. Enter the Shift Code for Service Time Entry

Use this option to specify the default Shift Code for time entry records created with the mobile application. Valid shift code values are stored in UDC table 06/SH. Users can override the value during the time entry process.

2. Enter the Operation Status Code
Use this option to specify the default Operation Status Code for time entry records created with the mobile application.Valid status code values are stored in UDC table 31/OS. Users can override the value during the time entry process.

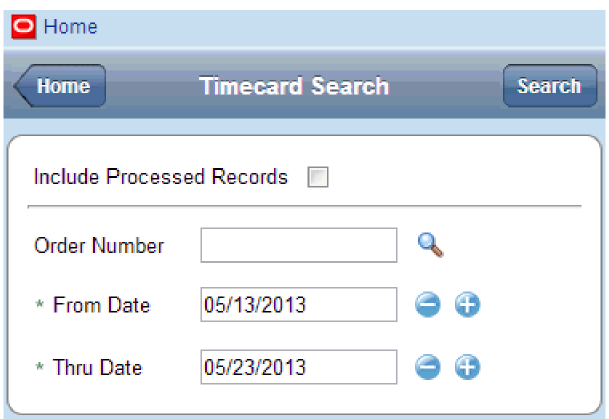
3. Number of Past Days to Search Timecards
Use this option to specify how the system calculates the default value in the Work Date - From field when performing a timecard search. The Work Date - Thru field is always populated with the system date. The number of days that you enter in this option determines how many previous days are included in the search. For example, if the system date is April 10, 2015, and you enter 5 in this field, the system populates the Work Date - From field with April 5, 2015, which is 5 days previous to the system date. The user can override this date when searching for timecards. The default value for this option is 0 (zero), which populates both the From and Thru date fields with the system date.

9.3 Searching for Timecards

This section discusses how to search for timecards on a mobile device.

1. Complete the steps to log into the Mobile Service Time Entry application.
2. From the Home screen, tap Search in the menu.
3. The system directs you to the Timecard Search Screen.

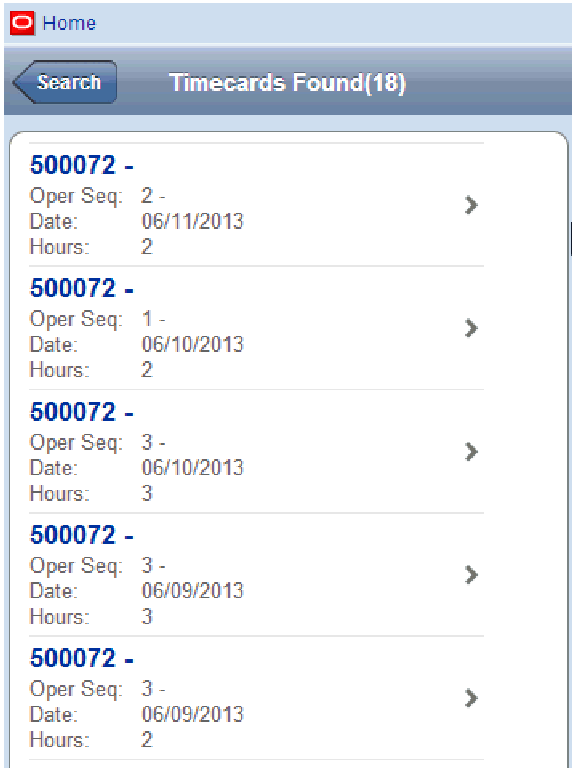
Figure 9–2 Timecard Search Screen



4. To search for only unprocessed timecards, leave the Include Processed Records option deselected. Select this option only if you want your search results to include processed timecards. Note that processed timecards can not be edited or deleted using this application.
5. Optionally, complete the Order Number field to search for timecards associated with a specific order.
6. Verify and/or update the dates in the From Date and Thru Date fields. The default value in the Thru Date field is the system date. The default value in the From Date field is determined by a processing option setting in the Service Work Order Time Entry Processing Options program (M311221). You can manually override these dates, or use the plus or minus buttons to change the dates.
7. After you have entered your search criteria, tap the Search button.

The system returns a list of timecards that match the search criteria on the Timecards Found screen, and displays the number of records returned in the screen header.

Figure 9–3 Timecards Found Screen



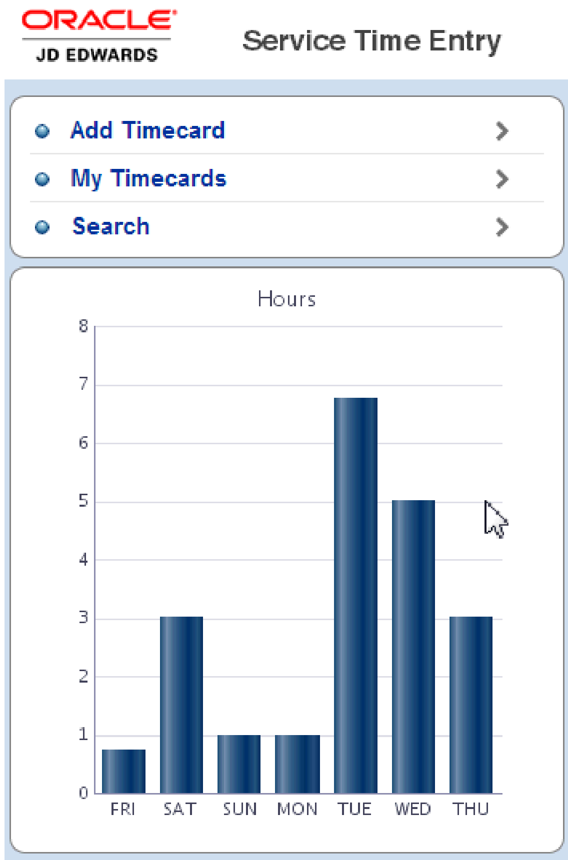
8. Tap on a record to select and view the timecard, or tap the Search button to return to the Timecard Search screen.

9.4 Entering Timecards

This section discusses how to enter service timecards on a mobile device.

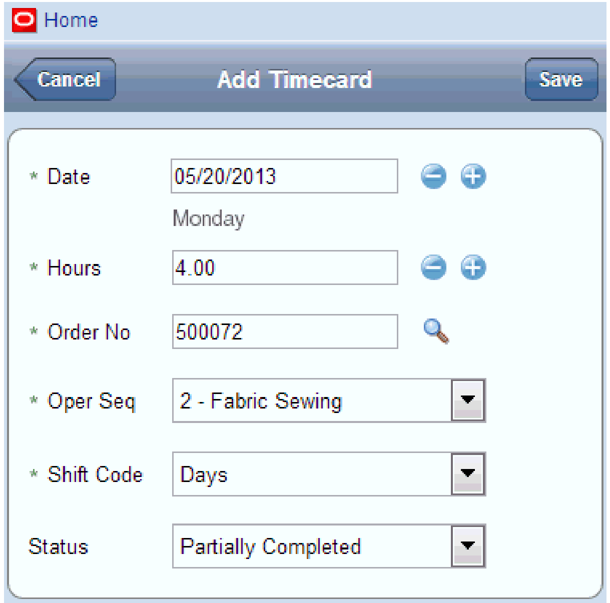
1. Complete the steps to log into the Mobile Service Time Entry application and access the Service Time Entry Home screen.

Figure 9–4 Service Time Entry Home Screen



2. To add a timecard, complete one of these options on the Home screen:
   - Tap the Add Timecard menu option.
   - Tap a bar in the graph for the day for which you want to enter a timecard. On the My Timecards form, tap the Add button.
3. The system directs you to the Add Timecard screen.

Figure 9–5 Add Timecard Screen



Complete these fields:

- Date

  The system date (if you accessed this screen from the menu option) or the date associated with the bar graph you selected is automatically entered as the default date. You can manually change the date, or you can use the plus and minus buttons to change the date.

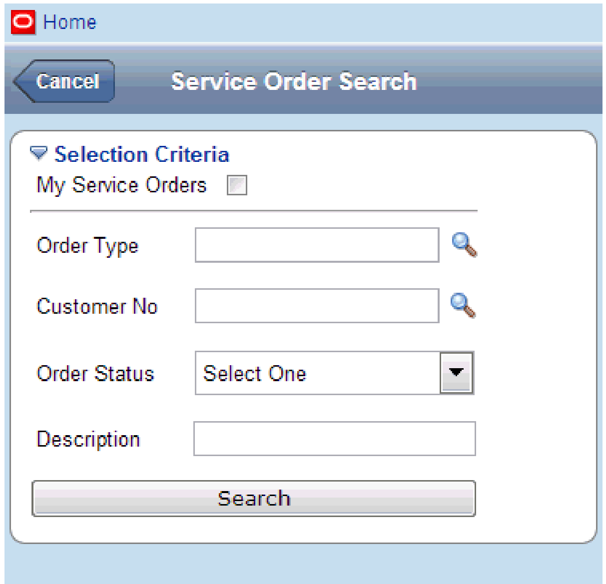
- Hours

  You can manually enter a value in this field, or you can use the plus and minus buttons to add or subtract time in 15-minute increments to the value.

- Order No

  You can manually enter a valid order number, or tap the visual assist to access the Service Order Search screen. The order you select must be set up with valid Operation Sequence information, as the Oper Seq field is required to enter a timecard. You can select the My Service Orders option to view all service orders to which you are assigned.

Figure 9–6 Service Order Search Screen

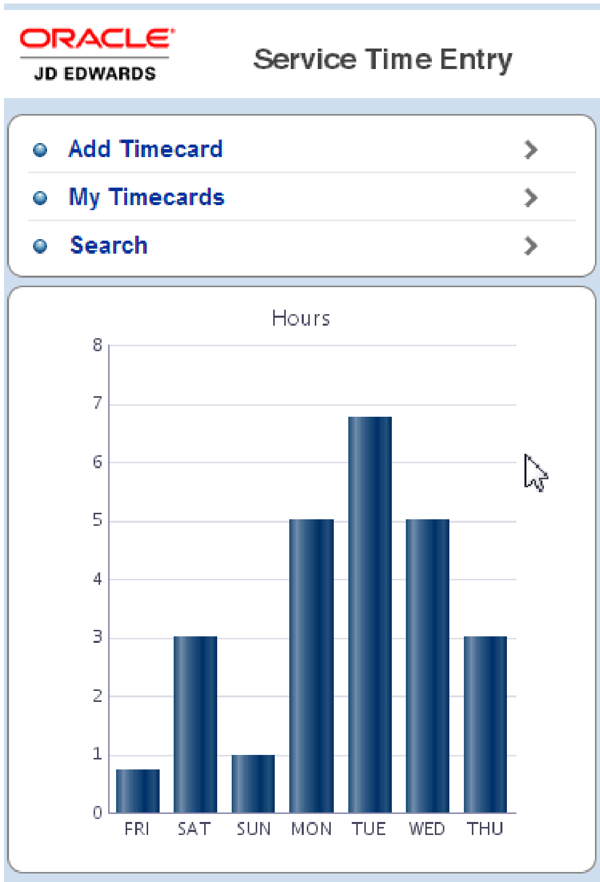


If you use the Service Order Search screen to find your order number, tap the Search button after entering search criteria, and then select the order to add it to the timecard.

- Oper Seq
- Shift Code
- Status

4. After completing the timecard, tap the Save button.
5. The system directs you to the My Timecards screen, and includes the newly created timecard in the timecard list.
6. To return to the Home screen, tap the Home button. The Home graph is also updated with the newly created timecard.

Figure 9–7 Service Time Entry Home Screen



Notice the additional number of hours displayed in the bar for Monday.

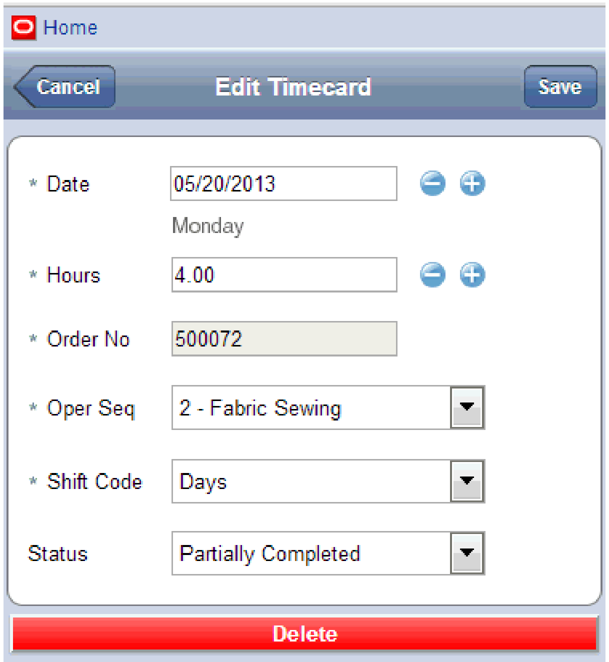
9.5 Editing Existing Timecards

This section discusses how to edit service timecards on a mobile device.

1. Complete the steps to log into the Mobile Service Time Entry application.
2. From the Home screen, you can either tap the bar in the graph that includes the timecard you want to edit, search for the timecard you want to edit, or select the timecard from the My Timecards screen. You can edit only unprocessed timecards.

   See Section 9.3, "Searching for Timecards."
3. Select the timecard you want to edit. The system brings you to the Edit Timecard screen.

Figure 9–8 Edit Timecard Screen



You can update all of the fields on the timecard, with these exceptions:

- You cannot change the Order Number field on an existing timecard. If you want to update the order number, you must delete the timecard, and create a new timecard with the correct order number.
- You cannot edit processed timecards.

4. When you are finished editing the timecard, tap the Save button.
5. The system returns you to the My Timecards screen, or the Timecards Found screen (depending on how you originally accessed the timecard), and includes the information for the updated timecard. Tap Home to return to the Home screen.

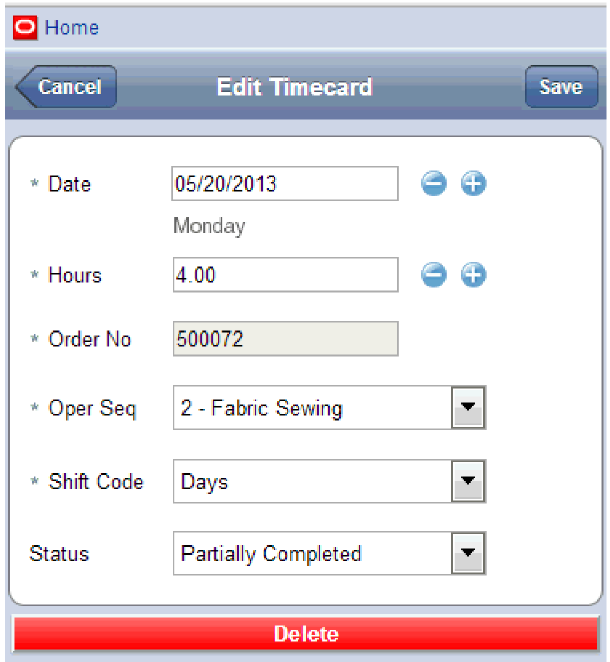
9.6 Deleting Existing Timecards

This section discusses how to delete service timecards on a mobile device.

1. Complete the steps to log into the Mobile Service Time Entry application.
2. From the Home screen, you can either tap the bar in the graph that includes the timecard you want to delete, search for the timecard you want to delete, or select the timecard from the My Timecards screen. You cannot delete a processed timecard.

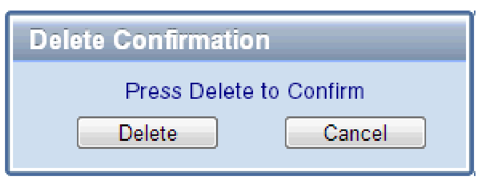
   See Section 9.3, "Searching for Timecards."
3. Select the timecard you want to delete. The system brings you to the Edit Timecard screen.

Figure 9–9 Edit Timecard Screen



4. Tap the Delete button.
5. On the Delete Confirmation screen, tap Delete to confirm the deletion.

Figure 9–10 Delete Confirmation Screen



6. The system returns you to the My Timecards screen or the Timecards Found screen (depending on how you originally accessed the timecard) and displays the updated information. Tap the Home button to return to the Home screen.

A

Business Services for Mobile Applications

This appendix describes each of the business services used by the JD Edwards EnterpriseOne mobile applications, and their related operations. The appendix is organized by mobile application, and includes these sections:

- Section A.1, "Mobile Expense Management Business Services"
- Section A.2, "Purchase Order Approvals Business Services"
- Section A.3, "Requisition Self Service Business Services"
- Section A.4, "Mobile Sales Inquiry Business Services"
- Section A.5, "Mobile Service Time Entry Business Services."

Note:

You can also access additional information about each business service using the Oracle Technical Catalog. For information about the catalog, see Using the Oracle Technical Catalog.

A.1 Mobile Expense Management Business Services

The mobile expense management processes use these business services and operations:

- ExpenseReportManager published business service (JP09E000).
- ExpenseReportQueryProcessor (J09E0001), which contains these two methods:
  - getAllExpenseReports
  - getExpenseReportsToApprove
  - getExpenseReports
  - getExpenseReportHeaders
  - getExpenseReportsForEdit (Release 9.1 Update)
- ExpenseManagementEmployeeProfileQueryProcessor (J09E0002), which contains these methods:
  - getExpenseManagementEmployeeProfile
  - getExpenseManagementEmployeeProfileV2
- ExpenseReportWorkflowProcessor (J09E0003), which contains these methods:
  - approveExpenseReport

  - rejectExpenseReport
  - submitExpenseReport
- CreditCardTransactionQueryProcessor (J09E0004), which contains the getCreditCardTransactions method.
- ExpenseReportProcessor (J09E0005), which contains these methods:
  - processExpenseReports
  - processExpenseReportHeader
  - processExpenseReportDetails
- ExpenseReportRecordReservation (J09E0006), which contains these methods:
  - reserveExpenseReport
  - releaseExpenseReport
- getExpenseManagementPolicy (J09E0007).
- ExpenseReportAttachmentManager (JP09E001) (Release 9.1 Update)
- ExpenseReportAttachmentsQueryProcessor (J09E0008), which contains the getExpenseReportAttachment method. (Release 9.1 Update)
- ExpenseReportAttachmentsProcessor (J09E0009), which contains the processExpenseReportAttachment method. (Release 9.1 Update)
- getExpenseManagementValuesList (J0000030), which is a method contained by the getUserDefined code operation, which is managed by the FoundationEnvironment published business service (J000000).
- lookupBusinessUnits (J0000040), which is managed by the FoundationEnvironment published business service (J000000).
- lookupCurrencyCodes (J0000060), which is managed by the FoundationEnvironment published business service (J000000).
- lookupAddressBook (J0100009), which is managed by the ManageAddressBook published business service.
- lookupWorkOrders (J4800001, which is managed by the WorkOrderManager published business service (JP480000).
- lookupJobCost (J5100001), which is managed by the JobCostManager published business service (JP510000).

See Also:

For detailed information about the lookupBusinessUnits, lookupCurencyCodes, getExpenseManagementValuesList, and lookupAddressBook web service operations, see these topics in the *JD Edwards EnterpriseOne Applications Business Services Reference Guide:*

- AddressBookManager Web Service.
- FoundationEnvironmentManager Web Service.

The ExpenseReportManager published web service (JP09E000) manages the processing of these mobile expense-related web service operations:

Operation/Method	Description
getAllExpenseReports (J09E0001)	Use this method to retrieve expense reports of a specific approver, and for a specific employee. Additional filtering on specific header values can be applied. This query includes reports processed through workflow for the signed-on approver, not just reports for the approver's subordinate employees. For example, reports that the signed-on user approved as a delegate would be included.
getExpenseReportsToApprove (J09E0001)	This method is contained within the ExpenseReportQueryProcessor operation. Use this method to retrieve expense reports that are currently awaiting approval by the signed-on user.
getExpenseReports (J09E0001)	This method is contained within the ExpenseReportQueryProcessor operation. This method retrieves expense report headers and detail records based on the selection criteria.
getExpenseReportHeaders (J09E0001)	This method is contained within the ExpenseReportQueryProcessor operation. This method retrieves expense report header information based on the selection criteria.
getExpenseReportsForEdit (J09E0001) (Release 9.1 Update)	This method is contained within the ExpenseReportQueryProcessor operation. This method allows the user to query expense reports based on specific criteria.
getExpenseManagementEmployeeProfile (J09E0002)	This method is contained within the ExpenseManagementEmployeeProfileQuery Processor operation, and is used to retrieve the expense report profile and EnterpriseOne profile information that is associated with the user name or address number that is entered at sign on.
getExpenseManagementEmployeeProfileV2 (J09E0002) (Release 9.1 Update)	This method is the same as the getExpenseManagementEmployeeProfile method, with one exception. This method has been modified to include the additional field, whereAttachmentsAllowed, to accommodate attachments in the mobile expense application. Within the mobile application this method is used to determine if photos are displayed at the report-level, expense-level, or both. It is also used to determine whether photos can be added to a report, an expense, or both.
approveExpenseReport (J09E0003)	This method is contained within the ExpenseReportWorkflowProcessor operation. Use this method to approve a specific expense report.
rejectExpenesReport (J09E0003)	This method is contained within the ExpenseReportWorkflowProcessor operation. Use this method to reject a specific expense report.

Operation/Method	Description
submitExpenseReport (J09E0003)	This method is contained within the ExpenseReportWorkflowProcessor operation. Use this method to submit for approval a specified expense report.
getCreditCardTransactions (J09E0004)	Use this operation to retrieve credit card transactions for a specified employee.
processExpenseReports (J09E0005)	This method is contained within the ExpenseReportProcessor operation.Use this method to insert, update, or delete expense report headers and expense report details.
processExpenseReportHeader (J09E0005)	This method is contained within the ExpenseReportProcessor operation. Use this method to insert, update, or delete expense report headers.
processExpenseReportDetail (J09E0005)	This method is contained within the ExpenseReportProcessor operation.Use this method to Use this method to insert, update, or delete expense report details.
reserveExpenseReport (J09E0006)	This method is contained within the ExpenseReportProcessor operation.Use this method to reserve an expense report so that it can be edited by another process.
releaseExpenseReport (J09E0006)	This method is contained within the ExpenseReportProcessor operation.Use this method to release a reservation from an expense report so that it can be edited by another process.
getExpenseManagementPolicy (J09E0007)	Use this operation to retrieve the expense management policy information based on the selection criteria.

(Release 9.1 Update) The ExpenseReportAttachmentManager (JP09E001) manages these web service operations:

- ExpenseReportAttachmentsQueryProcessor (J09E0008), which contains the published method getExpenseReportAttachments (JP09E001-J09E0008).

  Using this service, the mobile user can retrieve expense report attachments (photos) for both report-level and expense-level attachments. The service supports media attachments. The user can control which types of attachments are returned.

- ExpenseReportAttachmentsProcessor (J09E0009), which contains the published method processExpenseReportAttachments (JP09E001-J09E000).

  Using this service, mobile users can add or delete attachments to an expense report or an expense detail item.

The WorkOrderManager published web service (JP480000) manages the lookupWorkOrders web service operation (J4800001). This operation retrieves work order records from the JD Edwards EnterpriseOne database when the mobile user is searching for valid work order numbers to use when entering expense information.

The JobCostManager published web service (JP510000) manages the lookupJobCost web service operation (J5100001). This operation retrieves job cost information from the JD Edwards EnterpriseOne database when the mobile user is searching for valid cost codes to use when entering expense information.

A.1.1 ExpenseReportQueryProcessor

The ExpenseReportQueryProcessor (J09E0001) is a web service operation that calls one or more of these methods, based on the action of the user:

- getAllExpenseReports
- getExpenseReportsToApprove
- getExpenseReports
- getExpenseReportHeaders
- getExpenseReportsForEdit (Release 9.1 Update)

These methods are database queries that enable consumers to retrieve and review expense report information from the JD Edwards EnterpriseOne database.

The getAllExpenseReports method uses search criteria to retrieve expense reports of the signed-on user, expense reports that need to be approved by the signed-on user, and expense reports that were previously approved by the signed-on user, even if the employees associated with those reports are not subordinate employees of the signed-on user. The reports that are returned are based on the search criteria entered by the user.

The getExpenseReportsToApprove method searches for and retrieves all expense reports that are currently awaiting approval by the signed-on user.

The getExpenseReports method is called from the getAllExpenseReports method to retrieve expense report data from the EnterpriseOne database. This method allows the user to query expense reports based on specific criteria. The response will include both header and detail records for an expense report, with the detail records for splits and summery records represented at a single detail level (flattened). Within the mobile application this method is used by the search and by the chart to view, but not to modify existing reports.

The getExpenseReportHeader method is called from the getAllExpenseReports method, to retrieve expense report header information from the EnterpriseOne database.

(Release 9.1 Update) The getExpenseReportsforEdit method allows the user to query expense reports based on specific criteria. The response will include both header and detail records for an expense report, with the detail records for splits and summery records represented at their correct level (full hierarchy). Within the mobile application this method is used when you select My Reports and view your own reports.

Note that all of the methods contained in this operation return detail records, with the exception of the getExpenseReportHeader method.

A.1.1.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes expense report information. This table includes information about the business service properties that are used by all of the methods contains in the ExpenseReportQueryProcessor (J09E0001) web service operation, with the exception of the getExpenseReportHeader method:

Group	Key	Description	Default Value
J09E0001	J09E0001_MAX_ROWS_F20111	Use this business service property to specify the maximum number of header records the operation can return for a query. The default value is set to 100, however, this might limit the returned data when searching for expense reports. If you find that limiting the number of results returned to 100 does not enable you to find the expense reports you are searching for, it is acceptable to increase this value to a number that fits your business needs.	100
J09E0001	J09E0001_MAX_ROWS_F20112	Use this business service property to specify the maximum number of detail records the operation can return for a query. This number pertains to the number of details rows that is returned for each identified header record. If you typically review expense reports with more than 100 lines of detail, you might want to increase this value.	100

This table lists the business service property used by the getExpenseReportHeader method:

Group	Key	Description	Default Value
J09E0001	J09E0001_MAX_ROWS_F20111_HEADER_ONLY	Use this business service property to specify the maximum number of header records the operation can return for a query. The default value is set to 500 to ensure that all valid records are returned by the query.	500

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.1.1.2 Implementation Details

The following table includes information that can help determine whether the ExpenseReportQueryProcessor (J09E0001) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ▪ employeeName ▪ employeeID ▪ reportNumber ▪ reportDate ▪ reportType ▪ expenseReportTypeDescription ▪ reportDescription ▪ expenseReportTotal
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.1.2 ExpenseManagementEmployeeProfileQueryProcessor

The ExpenseManagementEmployeeProfileQueryProcessor web service operation (J09E0002) is a database query operation that calls the getExpenseManagementEmployeeProfile method, which enables consumers to retrieve expense management employee profile information from the JD Edwards EnterpriseOne database. This information is used when processing expense report information using the mobile application.

A.1.2.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes expense report information. This table includes information about the business service properties that are used by the

ExpenseManagementEmployeeProfileQueryProcessor (J09E0002) web service operation:

Group	Key	Description	Default Value
J09E0002	J09E0002_MAX_ ROWS_F09E109	Use this business service property to specify the maximum number of F09E109 records the operation can return for a query. For proper functionality this value should be equal to the number of records in the F09E109 table. You can change the value in this property as needed.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.1.2.2 Implementation Details

The following table includes information that can help determine whether the ExpenseManagementEmployeeProfileQueryProcessor web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, one record is returned, based on the selection criteria. The record that is returned to the consumer includes all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ approverId ■ approverName
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.1.3 ExpenseManagementEmployeeProfileQueryProcessorV2

This method is the same as the getExpenseManagementEmployeeProfile method, with one exception. This method has been modified to include the additional field, whereAttachmentsAllowed, to accommodate attachments in the mobile expense application.

Within the mobile application this method is used to determine if photos are displayed at the report-level, expense-level, or both. It is also used to determine whether photos can be added to a report, an expense, or both.

A.1.4 ExpenseReportWorkflowProcessor

The ExpenseReportWorkflowProcessor (J09E0003) is an inbound transaction web service operation that calls one of these methods, based on the action of the user:

- approveExpenseReport
- rejectExpenseReport
- submitExpenseReport

These methods enable consumers to submit, approve or reject expense report records in the EnterpriseOne database.

This operation calls the appropriate method, based on the action of the user. When calling the approveExpenseReport or rejectExpenseReport method, the operation calls the Process Expense Reports business function (B09E0074) to approve or reject the expense report.

If calling the submitExpenseReport method, the system calls the F20111_SubmitEpxenseReport business function (B09E0111) to submit the expense report.

If the operation is successful, the system either submits the report for approval, or removes the report from the list of reports for the user to approve (if approving or rejecting). If the operation encounters errors, processing stops and the errors are returned to the consumer.

A.1.4.1 Setup Considerations

Before you can use this operation, you can set business properties to specify how the system processes expense report information. This table includes information about the property used by the submitExpenseReport method:

Group	Key	Description	Default Value
J09E0003	J09E0003_EMS_MBF_VERSION	Use this business service property to specify the default version to pass to the B09E0111. The consumer of this service may pass a version as well, which overrides this property setting.	ZJDE0001

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.1.4.2 Implementation Details

The following table includes information that can help determine whether the ExpenseReportWorkflowProcessor web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, the consumer receives a successful return message, and the report is removed from the list of reports awaiting approval. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for the hasErrors field when processing the approveExpenseReport and rejectExpenseReport methods. If the transaction is successful, the value for this field is *false*. When processing the submitExpenseReport method, the system returns a non-zero value for the reportStatus field. If successful, the reportStatus will be the next status in the approval workflow.
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This operation uses standard transaction processing. If the system encounters errors during processing, no data in the JD Edwards EnterpriseOne system is updated. No manual updates are required.
Does this operation use record reservation?	Yes. All record reservation processing is handled within the business function. The record is only reserved for the minimal amount of time it takes the function to update the approval status in the expense report record.

A.1.5 CreditCardTransactionQueryProcessor

The CreditCardTransactionQueryProcessor (J09E0004) is a web service operation that calls the getCreditCardTransactions method. This is a database query operation that enables the consumer to retrieve and review available credit card transactions from the EnterpriseOne database.

A.1.5.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes credit card transaction information. This table includes information about the business service properties that the CreditCardTransactionQueryProcessor (J09E0004) web service operation uses:

Group	Key	Description	Default Value
J09E0004	J09E0004_MAX_ ROWS_F0075	Use this business service property to specify the maximum number of F0075 records the operation can return for a query. These are the credit cards setup for an employee.	100
J09E0004	J09E0004_MAX_ ROWS_F09E150	Use this business service property to specify the maximum number of F09E150 records the operation can return for a query. These are the transactions for each of the credit cards.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.1.5.2 Implementation Details

The following table includes information that can help determine whether the CreditCardTransactionQueryProcessor web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero or more records are returned, based on the selection criteria (EmployeeID). The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ CreditCardTransactionNumber ■ EmployeeID
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. The operation does not reserve records within the JD Edwards EnterpriseOne system during processing.

A.1.6 ExpenseReportProcessor

The ExpenseReportProcessor (J09E0005) is an inbound transaction web service operation that enables consumers to reserve expense reports for processing, process expense report information, and then release the expense report when processing is complete.

This operation contains the following methods:

- processExpenseReports
- processExpenseReportHeader
- processExpenseReportDetails

The process methods contained in this operation enable consumers to insert, update, or delete multiple expense reports with detail records in the F20111 and F20112 tables in the EnterpriseOne database. These operations use the F20111_FetchExpRptHeader MBF (B09E0111) which is used for net change, the F20111_EditExpRptHeader (B09E0111), the F20112_FetchExpDetailLineBF (B09E0112) which is used for net change, and the F20112_EditExpDetaiLine business functions to process the expense report within the EnterpriseOne database.

A.1.6.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes expense report information. This table includes information about the business service properties that the ExpenseReportProcessor (J09E0005) web service operation uses:

Group	Key	Description	Default Value
J09E0003	J09E0005_EMS_MBF_VERSION	Use this business service property to specify the default version to pass to the B09E0111 and B09E0112. The consumer of this service may pass a version as well, which overrides this property setting.	ZJDE0001

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.1.6.2 Implementation Details

The following table includes information that can help determine whether the ExpenseReportProcessor web service operation is functioning correctly:

<table>
<tr><th>Question</th><th>Answer</th></tr>
<tr><td>How can I tell if the operation completes successfully?</td><td>The different methods contained within this operation have different success criteria.

If the processExpenseReport and processExpenseReportHeader methods complete successfully, the consumer receives a successful return message, and the system returns values for these fields, at a minimum:
■ ReportType
■ ReportNumber
■ EmployeeID
■ OriginalWorkStationID
■ DateCreated

In addition to the fields listed above, the processExpenseReportDetail method also returns values for these fields:
■ GeneralLineNumber
■ DetailLineNumber
■ RecordType

Lastly, if the reserveExpenseReport method completes successfully, the system returns a non-zero value for the ReservationGenericKey field. The releaseExpenseReport method does not return values for any fields. If no message is returned, the operation was succesful.</td></tr>
<tr><td>If I encounter errors while processing a transaction, do I need to reverse the transaction?</td><td>This operation uses standard transaction processing. If the system encounters errors during processing, no data in the JD Edwards EnterpriseOne system is updated. No manual updates are required.</td></tr>
<tr><td>Does this operation use record reservation?</td><td>Yes. There is an interface provided for record reservation. You can indicate the record is already reserved by your process, or that you want the service to provide the reservation processing.</td></tr>
</table>

A.1.7 ExpenseReportRecordReservation

The ExpenseReportRecordReservation (J09E0006) is an inbound transaction operation that enables consumers to create a record reservation record (F00095) to reserve an expense report, preventing other processes from operating on the report.

The operation uses the ReserveExpenseReport and ReleaseExpenseReport business functions (B09E0095) to process the expense report record reservation. If the operation is successful, the system returns a completion message to the consumer. If the operation encounters errors, processing stops and the errors are returned to the consumer.

A.1.7.1 Implementation Details

The following table includes information that can help determine whether the ExpenseReportRecordReservation (J09E0006) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for the ExpenseManagementPolicyResponseElement field.
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. The operation does not reserve records within the JD Edwards EnterpriseOne system during processing.

A.1.8 ExpenseManagementPolicyProcessor

The ExpenseManagementPolicyProcessor (J09E0007) is a database query web service operation that contains the getExpenseManagement method. This operation enables consumers to retrieve expense policy information from the EnterpriseOne database, so it can be used to process expense information using the mobile application.

A.1.8.1 Implementation Details

The following table includes information that can help determine whether the ExpenseMangementPolicyProcessor (J09E0007) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for the ExpenseManagementPolicyResponseElement field.

Question	Answer
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. The operation does not reserve records within the JD Edwards EnterpriseOne system during processing.

A.1.9 ExpenseReportAttachmentsQueryProcessor (Release 9.1 Update)

The ExpenseReportAttachmentsQueryProcessor (J09E0008) is a database query operation that is managed by the ExpenseReportAttachmentManager (JP09E001). This operation contains the getExpenseReportAttachments method (JP09E001 - J09E0008), which enable the mobile user to query for and retrieve expense report attachments (photos) for both report-level and expense-level attachments. The service supports media object attachments. Users can specify which types of attachments are returned.

A.1.9.1 Implementation Details

The following table includes information that can help determine whether the ExpenseReportAttachmentsQueryProcessor web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, and the requested data is available in the database, media object attachment records and associated binary data (if requested) are included in the soap response. If the query returned no results, the response is empty. The records that are returned to the consumer include, at a minimum, non-zero values for these fields: ■ Expense Header Attachment fields: ■ itemName ■ sequenceNumber ■ type ■ Expense Detail Attachment Fields: ■ detailLine ■ itemName ■ sequenceNumber ■ type

Question	Answer
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. The operation does not reserve records within the JD Edwards EnterpriseOne system during processing.

A.1.10 ExpenseReportAttachmentsProcessor (Release 9.1 Update)

The ExpenseReportAttachmentsProcessor (J09E0009) is an inbound processor operation that is managed by the ExpenseReportAttachmentManager (JP09E001). This operation contains the processExpenseReportAttachment method (JP09E001 - J09E0009), which enable the mobile user to add or delete expense report attachments (media objects) at both the report level and expense level.

A.1.10.1 Implementation Details

The following table includes information that can help determine whether the ExpenseReportAttachmentsProcessor web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If no exceptions were returned by the service, the operation completed successfully. For add operations, the service will respond with a sequence number for the new media object record that was added successfully. The response will always contain the key data that was sent in. Responses will also contain these details. Header ■ Header: ■ action ■ itemName ■ sequenceNumber ■ type ■ Detail: ■ action ■ detailLine ■ itemName ■ sequenceNumber ■ type ■ expenseLineNumber

Question	Answer
If I encounter errors while processing a transaction, do I need to reverse the transaction?	No. If individual attachments were not added or deleted there is nothing the user needs to do other than attempt the call to add or delete the attachments again. The user can also manually add the attachments using the base EnterpriseOne system.
Does this operation use record reservation?	No. The operation does not reserve records within the JD Edwards EnterpriseOne system during processing.

A.1.11 lookupWorkOrders

The lookupWorkOrders (J4800001) is a database query web service operation that enables consumers to retrieve and review work order information from the JD Edwards EnterpriseOne database.

A.1.11.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes expense report information. This table includes information about the business service properties that the lookupWorkOrder (J4800001) web service operation uses:

Group	Key	Description	Default Value
J4800001	J4800001_MAX_ROWS	Use this business service property to specify the maximum number of F4801 records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.1.11.2 Implementation Details

The following table includes information that can help determine whether the lookupWorkOrder web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero or more records are returned, based on the search criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ OrderNumber ■ OrderStatus
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. The operation does not reserve records within the JD Edwards EnterpriseOne system during processing.

A.1.12 lookupJobCost

The lookupJobCost (J5100001) is a database query web service operation that enables consumers to retrieve and review job cost information from the JD Edwards EnterpriseOne database.

A.1.12.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes expense report information. This table includes information about the business service properties that the lookupJobCost (J5100001) web service operation uses:

Group	Key	Description	Default Value
J5100001	J5100001_MAX_ROWS	Use this business service property to specify the maximum number of F0911 records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.1.12.2 Implementation Details

The following table includes information that can help determine whether the loookupJobCost web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero or more records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ Job ■ CostCode
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. The operation does not reserve records within the JD Edwards EnterpriseOne system during processing.

A.2 Purchase Order Approvals Business Services

The mobile purchase order approval process uses these business services:

- ProcurementManager (JP430000).
- PurchaseOrderApprovalQueryProcessor(J4300040).
- GetPurchaseOrderDetailForApprover(J4300050).
- PurchaseOrderEmployeeProfileQueryProcessor (J4300060).
- GetMobilePurchaseOrderCountsProcessor (J4300070).
- PurchaseOrderApproveRejectProcessor (J4300080).

The ProcurementManager published web service (JP430000) manages the processing of mobile purchase order-related web service operations. This table includes a description of those web service operations:

Operation/Method	Description
getPurchaseOrderEmployeeProfile (J4300060)	Use this operation to retrieve the procurement profile, as well as additional EnterpriseOne profile information, for the name or address number that is entered during sign on.

Operation/Method	Description
getPurchaseOrdersCounts (J4300070)	Use this operation to retrieve the purchase order descriptions and counts for each order type that is currently awaiting approval by the signed-on user.
getPurchaseOrdersForApprover (J4300040)	Use this operation to retrieve purchase order header records for all orders that are currently awaiting approval by the signed-on user.
getPurchaseOrderDetailForApprover (J4300050)	Use this operation to retrieve purchase order detail records for all orders that are currently awaiting approval by the signed-on user.
processPurchaseOrderApproveReject (JP4300080)	Use this operation to approve or reject a specific purchase order, and to update any remarks the user enters.

See Also:

- *JD Edwards EnterpriseOne Applications Business Interfaces Implementation Guide*

A.2.1 getPurchaseOrderEmployeeProfile

The getPurchaseOrderEmployeeProfile (J4300060) web service operation is a database query operation that enables consumers to retrieve and review employee profile information from the JD Edwards EnterpriseOne database.

A.2.1.1 Implementation Details

The following table includes information that can help determine whether the getPurchaseOrderEmployeeProfile (J4300060) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, one record is returned, based on the selection criteria. The record that is returned to the consumer includes all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ approverId ■ approverName
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.

Question	Answer
Does this operation use record reservation?	No. This operation does not reserve records during processing.

A.2.2 getPurchaseOrderCounts

The getPurchaseOrderCounts (J4300070) web service operation is a database query operation that enables consumers to retrieve and review purchase order categories, along with counts of the number of purchase orders currently awaiting approval by the signed-on user.

A.2.2.1 Implementation Details

The following table includes information that can help determine whether the getPurchaseOrderCounts (J4300070) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the setup, and whether the signed-on user has orders currently awaiting their approval. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ▪ description ▪ recordCount ▪ version
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database. Also verify that the processing options for the M43081 and P43081 are set up correctly.
Does this operation use record reservation?	No. This operation does not reserve records during processing.

A.2.3 getPurchaseOrdersForApprovers

The getPurchaseOrdersForApprovers (J4300040) web service operation is a database query operation that enables consumers to retrieve and review purchase order information from the JD Edwards EnterpriseOne database.

A.2.3.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes purchase order information. This table includes information about the business service properties that the getPurchaseOrdersForApprovers (J4300040) web service operation uses:

Group	Key	Description	Default Value
J4300040	J4300040_MAX_ROWS	Use this business service property to specify the maximum number of records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.2.3.2 Implementation Details

The following table includes information that can help determine whether the getPurchaseOrdersForApprover (J4300040) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the setup, and whether the signed-on user has orders currently awaiting their approval. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ documentCompanyKeyOrderNo ■ documentOrderInvoiceNumber ■ documentOrderTypeCode ■ approver ■ entityNameApprover ■ originator ■ entityNameOriginator ■ businessUnitCode
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records during processing.

A.2.4 getPurchaseOrderDetailForApprover

The getPurchaseOrderDetailForApprover (J4300050) web service operation is a database query operation that enables consumers to retrieve and review purchase order detail information from the JD Edwards EnterpriseOne database.

A.2.4.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes purchase order information. This table includes information about the business service properties that the getPurchaseOrderDetailForApprover (J4300050) web service operation uses:

Group	Key	Description	Default Value
J4300050	J4300050_MAX_ROWS	Use this business service property to specify the maximum number of detail records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.2.4.2 Implementation Details

The following table includes information that can help determine whether the getPurchaseOrderDetailsForApprover (J4300050) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the setup, and whether the signed-on user has orders currently awaiting their approval. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ companyKeyOrderNo ■ documentOrderInvoiceNumber ■ documentOrderTypeCode ■ documentLineNumber ■ businessUnitCode

Question	Answer
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database. Also verify that the business service property that controls the number of records to return for the query is set correctly.
Does this operation use record reservation?	No. This operation does not reserve records during processing.

A.2.5 processPurchaseOrderApproveReject

The processPurchaseOrderApproveReject (J4300080) web service operation is an inbound transaction operation that enables consumers to approve or reject purchase order records in the EnterpriseOne database from their mobile device.

The operation uses the business function B4305420 to approve or reject the purchase order. If the operation is successful, the system returns a completion message to the mobile device, which includes these values:

- numberOfPurchaseOrdersProcessed
- numberOfDetailRemarksProcessed
- confirmApproveRejectSuccess

Additionally, the order is removed from the list of orders awaiting approval.

If the operation encounters errors, processing stops and the errors are returned to the consumer.

A.2.5.1 Implementation Details

The following table includes information that can help determine whether the processPurchaseOrderApproveReject (J4300080) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, the consumer receives a successful return message. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ numberOfPurchaseOrdersProcessed ■ confirmApproveRejectSuccess The values for both of these fields will be equal to 1 when the operation is successful.
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This operation uses standard transaction processing. If the system encounters errors during processing, no data in the JD Edwards EnterpriseOne system is updated. No manual updates are required.
Does this operation use record reservation?	No. This operation does not reserve records during processing.

A.3 Requisition Self Service Business Services

The mobile requisition self service approval process uses these business services:

- RequisitionSelfServiceManager published business service (JP43E010).
- RSSApproverQueryProcessor (J43E0050), which contains the method getRSSForApprover.
- RSSDetailQueryProcessor (J43E0060), which contains the method getRSSDetailForApprover.
- processRSSApproveReject (J43E0080).

The RequisitionSelfServiceManager published web service (JP43E010) manages the processing of mobile RSS-related web service operations. This table includes a description of those web service operations, as they relate to mobile requisition self service processing:

Operation/Method	Description
getRSSForApprover (J43E0050)	This method is contained within the RSSApproverQueryProcessor operation. Use this method to retrieve the approval requests, at either the order or line level, for the signed-on user.
getRSSDetailForApprover (J43E0060)	This method is contained within the RSSDetailQueryProcessor operation. Use this method to retrieve requisition detail records.
processRSSApproveReject	Use this operation to approve or reject a specific requisition order or line.

A.3.1 RSSApproverQueryProcessor

The RSSApproverQueryProcessor(J43E0050) is a web service operation that calls the getRSSForApprover method. This method is a database query that enables consumers to retrieve and review requisition approval messages from the EnterpriseOne work center. The method uses search criteria that is defined when the user signs into the mobile application to select records from the work center.

If the operation completes successfully, it retrieves data from the Requisition Header or Requisition Detail tables for each record in the work center message, if data exists in the database.

A.3.1.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes requisition information. This table includes information about the business service properties that the RSSApproverQueryProcessor (J43E0050) web service operation uses:

Group	Key	Description	Default Value
J43E0050	J43E0050_V98860D_ MAX_ROWS	Use this business service property to specify the maximum number of work center message records to return during a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.3.1.2 Implementation Details

The following table includes information that can help determine whether the RSSApproverQueryProcessor (J43E0050) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ companyKeyOrderNo ■ documentOrderInvoice ■ orderType ■ transactionOriginator ■ taskAssignmentUniqueID
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database. Specifically, verify that messages exist in the EnterpriseOne work center for the signed-on user's address book number.
Does this operation use record reservation?	No. This operation does not reserve records.

A.3.2 RSSDetailQueryProcessor

The RSSDetailQueryProcessor(J43E0060) is a web service operation that calls the getRSSDetailForApprover method. This method is a database query that enables consumers to retrieve one or many requisition detail lines for a given requisition order from the JD Edwards EnterpriseOne database.

A.3.2.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes requisition information. This table includes information about the business service properties that the RSSDetailQueryProcessor (J43E0060) web service operation uses:

Group	Key	Description	Default Value
J43E0060	J43E0060_F43E11_ MAX_ROWS	Use this business service property to specify the maximum number of detail records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.3.2.2 Implementation Details

The following table includes information that can help determine whether the RSSDetailQueryProcessor (J43E0060) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, one to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ companyKeyOrderNo ■ documentOrderInvoiceNumber ■ orderType ■ orderSuffix ■ lineNumber
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.3.3 processRSSApproveReject

The processRSSApproveReject web service operation (J43E0080) is an inbound transaction operation that enables consumers to approve or reject requisition workflow messages in the EnterpriseOne database.

The operation uses the Update RSS Approval Rejection business function (N43E01470) to approve or reject the requisitions. If the operation is successful, the system returns a completion message to the consumer. If the operation encounters errors, processing stops and the errors are returned to the consumer.

A.3.3.1 Implementation Details

The following table includes information that can help determine whether the RSSDetailQueryProcessor (J43E0060) web service operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, the consumer receives a successful return message. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ errorMessageIDWorkflow ■ confirmSuccessApproveReject will be equal to 1 if the operation is successful.
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This operation uses standard transaction processing. If the system encounters errors during processing, no data in the EnterpriseOne database is updated. No manual updates are required.
Does this operation use record reservation?	No. This operation does not reserve records.

A.4 Mobile Sales Inquiry Business Services

The mobile sales inquiry processes use these published business services:

- MobileSalesOrderManager (JP42M000)
- InventoryManager (JP410000)

The MobileSalesOrderManager published web service (JP42M000) manages the processing of mobile sales order inquiry-related web service operations. This table includes a description of the web service operations:

Operation/Method	Description
getMobileSalesOrderHeader (J42M0010)	Use this operation to retrieve sales order header records from the EnterpriseOne database. The operation uses the user-defined search criteria to retrieve records.
getMobileSalesOrderDetail (J42M0020)	Use this operation to retrieve sales order detail information from the EnterpriseOne database. The operation retrieves the detail records that are associated with the sales order header that the user selects.
getUDCDescription (J0000050)	Use this operation to retrieve valid document type values from user-defined code table 00/DT. This operation is called by the getDocumentTypeDescription method, and is managed by the FoundationEnvironment published business service (JP000000).

See Also:

- Foundation Environment Web Service in the *JD Edwards EnterpriseOne Applications Business Services Reference Guide.*

The InventoryManager published web service (JP410000) manages the processing of mobile pricing and availability inquiry-related web service operations. This table includes a description of the web service operations:

Operation/Method	Description
getCalculatedAvailability (J4100007)	Use this operation to retrieve item availability records from the EnterpriseOne database. The operation uses the user-defined search criteria to retrieve records.
getItemPrice (J4100040)	Use this operation to retrieve item pricing information from the EnterpriseOne database. The operation uses the user-defined search criteria to retrieve records.
getItemBranchSearch (J4100060)	Use this operation to retrieve valid branch plant values that can be used in the search criteria when searching for item price and availability records.
getItemSearch (J4100050)	Use this operation to retrieve valid item number values that can be used in the search criteria when searching for item price and availability records.

The following operations and methods are called from the FoundationEnvironment published business service, which is documented in the *JD Edwards EnterpriseOne Applications Business Services Reference Guide*:

Operation/Method	Description
getDocumentTypeDescription (J0000030)	Use this method to retrieve the document type description from the EnterpriseOne database. This method is contained in the getUserDefinedCode operation (J0000030).
getUserValues (J0000070)	Use this method to retrieve user defined code values from the EnterpriseOne database.
getUserProfile (J0000080)	Use this method to retrieve user profile information for the signed-on user from the EnterpriseOne database.
getLookupUDC (J0000090)	Use this method to look up user defined code values in the EnterpriseOne database.

See Also:

- Foundation Environment Web Service in the *JD Edwards EnterpriseOne Applications Business Services Reference Guide.*

A.4.1 getMobileSalesOrderHeader

The getMobileSalesOrderHeader (J42M0010) is a database query operation that enables consumers to retrieve and review sales order header records from the JD Edwards EnterpriseOne database. The operation retrieves data from the F4201 and F42019 (depending on whether the order is active or historical) for each sales order header record that meets the specified search criteria, if data exists in the database.

This operation is managed by the MobileSalesOrderManager published business service (JP42M000).

A.4.1.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes sales order information. This table includes information about the business service properties that the getMobileSalesOrderHeader (J42M0010) web service operation uses:

Group	Key	Description	Default Value
J42M0010	J42M0010_MAX_ROWS	Use this business service property to specify the maximum number of header records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide*.

A.4.1.2 Implementation Details

The following table includes information that can help determine whether the getMobileSalesOrderHeader (J42M0010) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ companyKeyOrderNo ■ documentOrderInvoice ■ orderType ■ costCenter ■ addressNumber ■ addressNumberShipTo ■ dateRequestedJulian ■ soldToDesc ■ shipToDesc ■ branchPlantDesc ■ orderTypeDesc ■ DataDisplayDecimals_OTOT ■ DataDisplayDecimals_FAP

Question	Answer
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.4.2 getMobileSalesOrderDetail

The getMobileSalesOrderDetail (J42M00020) is a database query operation that enables consumers to retrieve and review sales order detail information from the JD Edwards EnterpriseOne database. This operation retrieves data from the F4211 and F42119 tables (depending on whether the order is active or historical) for each sales detail record if the data exists in the database.

This operation is managed by the MobileSalesOrderManager published business service (JP42M000).

A.4.2.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes sales order information. This table includes information about the business service properties that the getMobileSalesOrderDetail (J42M0020) web service operation uses:

Group	Key	Description	Default Value
J42M0020	J42M0020_MAX_ROWS	Use this business service property to specify the maximum number of header records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.4.2.2 Implementation Details

The following table includes information that can help determine whether the getMobileSalesOrderDetail (J42M0020) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ companyKeyOrderNo ■ documentOrderInvoice ■ orderType ■ lineNumber ■ costCenter ■ dateRequestedJulian ■ statusCodeNext ■ statusCodeLast ■ unitsTransactionQty ■ lastStatusDesc ■ nextStatusDesc ■ DataDisplayDecimals_UPRC ■ DataDisplayDecimals_AEXP ■ DataDisplayDecimals_FUP ■ DataDisplayDecimals_FEA
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.4.3 getCalculatedAvailability

getCalculatedAvailability (J4100007) is a web service operation that calculates the availability for a specified item for a single or multiple branch plant. The operation retrieves both summary and detailed availability information from the F41021 table.

This operation is managed by the InventoryManager published business service (JP410000).

A.4.3.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes item availability information. This table includes information about the business service properties that the getCalculatedAvailability (J4100007) web service operation uses:

Group	Key	Description	Default Value
JP410000	J4100007_F41021_ MAX_GRID_ROWS_ RETURNED	Use this business service property to specify the maximum number of header records the operation can return for a query. If the number of records that meet the search criteria is greater than the value in this property, the system does not return and display all values in the mobile device.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.4.3.2 Implementation Details

The following table includes information that can help determine whether the getCalculatedAvailability (J4100007) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ item ■ unitOfMeasure ■ totalQtyAvailable ■ The fields that include availability summary information.
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.4.4 getItemPrice

getItemPrice (J4100040) is a database query operation that enables consumers to retrieve and review the base price records from the JD Edwards EnterpriseOne database. This operation retrieves data from the F4106 table for each base price record, if the data exists in the database.

This operation is managed by the InventoryManager published business service (JP410000).

A.4.4.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes item pricing information. This table includes information about the business service properties that the getItemPrice (J4100040) web service operation uses:

Group	Key	Description	Default Value
JP410000	J4100040_V4106C_ MAX_GRID_ROWS_ RETURNED	Use this business service property to specify the maximum number of header records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.4.4.2 Implementation Details

The following table includes information that can help determine whether the getItemPrice (J4100040) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ priceHierarchy ■ amtPricePerUnit2

Question	Answer
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.4.5 getItemBranchSearch

getItemBranchSearch (J4100060) is a database query operation that enables consumers to retrieve branch plant details for a specified branch plant and description from the EnterpriseOne database. The operation retrieves data from the F41021 table, if data exists in the database.

This operation is managed by the InventoryManager published business service (JP410000).

A.4.5.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes item information. This table includes information about the business service properties that the getItemBranchSearch (J4100060) web service operation uses:

Group	Key	Description	Default Value
JP410000	J4100060_F0006_ MAX_GRID_ROWS_ RETURNED	Use this business service property to specify the maximum number of header records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.4.5.2 Implementation Details

The following table includes information that can help determine whether the getItemBranchSearch (J4100060) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ branchPlant ■ branchType ■ branchCompany ■ description
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.4.6 getItemSearch

etItemSearch (J4100050) is a database query operation that enables consumers to retrieve details for a specified item from the EnterpriseOne database.

This operation is managed by the InventoryManager published business service (JP410000).

A.4.6.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system processes item information. This table includes information about the business service properties that the getItemSearch (J4100050) web service operation uses:

Group	Key	Description	Default Value
JP410000	J4100050_F4101_MAX_GRID_ROWS_RETURNED	Use this business service property to specify the maximum number of header records the operation can return for a query.	100

See Also:

- "Working With Business Service Properties" in the *JD Edwards EnterpriseOne Tools Business Services Development Guide.*

A.4.6.2 Implementation Details

The following table includes information that can help determine whether the getItemSearch (J4100050) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ itemID ■ itemCatalog ■ itemProduct ■ itemFreeForm ■ itemDescription1 ■ itemDescription2 ■ itemSearchText
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.5 Mobile Service Time Entry Business Services

The mobile service time entry process uses these business services and operations:

- Service Time Card Manager published business service (JP170002).

  This published business service manages the processing of all mobile time entry related web service operations except lookupServiceOrder and lookupAddressBook.

- getServiceTimeCards (J1700050).
- getServiceOperationSequence (J1700060).
- getServiceTimeCardProcessingOptions (J1700070).
- processServiceTimeCard (J1700080).
- lookupServiceOrders (J1700001).

  This web service operation is managed by the CustomerServiceManager published web service (JP170000).

- lookupAddressBook (J0100009).

This web service operation is managed by the AddressBookManager published web service (JP010000).

This table lists and describes each of the web service operations used to process mobile service time entry information:

Operation/Method	Description
getServiceTimeCards (J1700050)	Use this operation to retrieve service timecards for the specific user. Additional filtering on specific search values can be applied.
getServiceOperationSequence (J1700060)	Use this operation to retrieve operation sequence, which is attached to a specific service order.
getServiceTimeCardProcessingOptions (J1700070)	Use this operation to retrieve the service timecard mobile processing options.
processServiceTimeCard (J1700080)	Use this operation to add, update, and delete a service timecard.
lookupServiceOrders (J1700001)	Use this operation to retrieve service order information. See Customer Service Manager Web Service.
lookupAddressBook (J0100009)	Use this operation to retrieve customer name or address number. This operation is managed by the AddressBookManager (JP010000), and is also used by the Mobile Expense Management process. See Address Book Manager Web Service.

A.5.1 getServiceTimecards

The getServiceTimeCards web service operation (J1700070) is a database query operation that enables consumers to retrieve and review service timecard information from the JD Edwards EnterpriseOne database.

A.5.1.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system retrieves data from the database. This table includes information about the business service properties that the getServiceTimeCards operation uses:

Group	Key	Description	Default Value
J1700050	J1700050_MAX_ROWS	Use this business service property to specify the maximum number of header records the operation can return for a query.	100

A.5.1.2 Implementation Details

The following table includes information that can help determine whether the getServiceTimeCards (J1700050) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ addressNumber ■ workDate ■ hoursWorked ■ processedCode ■ orderNumber ■ operationSequence ■ shiftCode
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.5.2 getServiceOperationSequence

The getServiceOperationSequence web service operation (J1700060) is a database query operation that enables consumers to retrieve and review list of operation sequence attached to a specific order from the JD Edwards EnterpriseOne database.

A.5.2.1 Setup Considerations

Before you use this operation, you can set business service properties to specify how the system retrieves data from the database. This table includes information about the business service properties that the getServiceOperationSequence operation uses:

Group	Key	Description	Default Value
J1700060	J1700060_MAX_ROWS	Use this business service property to specify the maximum number of header records the operation can return for a query.	100

A.5.2.2 Implementation Details

The following table includes information that can help determine whether the getServiceOperationSequence (J1700060) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ▪ operationSequence ▪ orderNumber
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.5.3 getServiceTimeCardProcessingOptions

The getServiceTimeCardProcessingOptions web service operation (J1700070) is a database query operation that enables consumers to retrieve and review service time entry mobile application processing options from the JD Edwards EnterpriseOne database.

The operation uses the business function (B1703150) to fetch the procession options from the JD Edwards EnterpriseOne database.

A.5.3.1 Implementation Details

The following table includes information that can help determine whether the getServiceOperationSequence (J1700070) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ operationStatusCode ■ shiftCode ■ hideStatusCode ■ daysPast
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This is a database query operation that does not perform transactions. If you encounter errors during processing, review your search criteria and business service property settings and try your query again. If the operation does not return any records, verify that records matching your query exist in the JD Edwards EnterpriseOne database.
Does this operation use record reservation?	No. This operation does not reserve records.

A.5.4 processServiceTimeCard

The processServiceTimeCard web service operation (J1700080) is an inbound transaction operation that enables consumers to create, update, and delete service timecards in the EnterpriseOne database.

The operation uses the business function B1703160 to call the existing service timecard master business function B3101040 to create, update, and delete timecards. If the operation is successful, the system returns a completion message to the consumer. If the operation encounters errors, processing stops and the errors are returned to the consumer.

A.5.4.1 Implementation Details

The following table includes information that can help determine whether the processServiceTimeCard (J1700080) operation is functioning correctly:

Question	Answer
How can I tell if the operation completes successfully?	If the operation completes successfully, zero to many records are returned, based on the selection criteria. The records that are returned to the consumer include all of the fields that are listed in the response interface for this operation. However, some of those fields can contain blank or zero values, depending on the data that exists in the JD Edwards EnterpriseOne system. At a minimum, the system returns non-zero values for these fields: ■ hasErrors If successful, the value of the hasErrors field is *false*.
If I encounter errors while processing a transaction, do I need to reverse the transaction?	This operation uses standard transaction processing. If the system encounters errors during processing, no data in the JD Edwards EnterpriseOne system is updated. No manual updates are required.
Does this operation use record reservation?	No. This operation does not reserve records.

Glossary

ADF Mobile

ADF Mobile extends Oracle Application Development Framework to mobile users. Using Oracle JDeveloper, application developers can rapidly develop mobile applications that support mobile users accessing critical business data through either on-device mobile client or mobile.

Business Service

Business services are JD Edwards EnterpriseOne OMW objects that contains one or more java classes that expose public methods. The methods access logic in EnterpriseOne and support a specific step in a business process, such as adding a sales order or updating an address book record.

A business service contains internal value object classes, which make up the signature for the public methods.

Business services are managed by published business services, which are exposed to the user as a web service.

Business Service Properties

Business service properties are key value pairs that are referenced in the business service code. The properties enable users to change the functionality of a business service without changing the internal code of the business service. Properties also enable users to expose values to an end user of the business service.

For example, a customer can use business service properties to limit the number of records returned when processing data that is associated with the business service. Business service properties enable users to easily enter or change processing information without having to change the code of the associated business service.

Device

Device refers to the mobile phone or tablet that users can use to access JD Edwards EnterpriseOne mobile applications. Examples of supported devices include IOS and Android phones and tablets.

Method

Methods are pieces of code that perform a specific function. A public method is available to be exposed. Some public methods are exposed as web service operations. Other public methods are not exposed, and are internal business services.

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