Sterling Commerce
An IBM Company

Mobile Application User Guide

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Preface

Intended Audience

This manual is intended to assist customer service representatives using the Yantra 7x Mobile Application.

Structure

This manual contains the following sections:

- Mobile Application Overview
- Understanding the Yantra 7x Mobile Application Console Framework
- Logging in to the Yantra 7x Mobile Application
- Pre-Receiving
- Receiving
- Performing System-Directed Tasks
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Yantra 7x Documentation

For more information about the Yantra® 7x components, see the following manuals in the Yantra® 7x documentation set:

- *Yantra® 7x Release Notes*
- *Yantra® 7x Installation Guide*
- *Yantra® 7x Upgrade Guide*
- *Yantra® 7x Performance Management Guide*
- *Yantra® 7x High Availability Guide*
- *Yantra® 7x System Management Guide*
- *Yantra® 7x Localization Guide*
- *Yantra® 7x Customization Guide*
- *Yantra® 7x Integration Guide*
- *Yantra® 7x Product Concepts*
- *Yantra® 7x Warehouse Management System Concepts Guide*
- *Yantra® 7x Platform Configuration Guide*
- *Yantra® 7x Distributed Order Management Configuration Guide*
- *Yantra® 7x Supply Collaboration Configuration Guide*
- *Yantra® 7x Inventory Synchronization Configuration Guide*

- *Yantra® 7x Product Management Configuration Guide*
- *Yantra® 7x Logistics Management Configuration Guide*
- *Yantra® 7x Reverse Logistics Configuration Guide*
- *Yantra® 7x Warehouse Management System Configuration Guide*
- *Yantra® 7x Platform User Guide*
- *Yantra® 7x Distributed Order Management User Guide*
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- *Yantra® 7x Reverse Logistics User Guide*
- *Yantra® 7x Warehouse Management System User Guide*
- *Yantra® 7x Mobile Application User Guide*
- *Yantra® 7x Analytics Guide*
- *Yantra® 7x Javadocs*
- *Yantra® 7x Glossary*
- *Yantra® 7x Carrier Server Guide*
- *Yantra® 7x Application Server Installation Guide* (for optional component)

Conventions

The following conventions may be used in this manual:

Convention	Meaning
`. . .`	An ellipsis represents information that has been omitted.
`< >`	Angle brackets indicate user-supplied input.
`mono-spaced text`	Mono-spaced text indicates a file name, an API name, or a code example.

Convention	Meaning
/ or \	Slashes and backslashes are file separators for Windows, UNIX and LINUX operating systems. The file separator for the Windows operating system is "\" and the file separator for Unix and Linux systems is "/". The Unix convention is used unless otherwise mentioned.

1

Mobile Application Overview

The Yantra 7x Mobile Application enables you to manage inventory and processes in your warehouse.

The *Yantra 7x Mobile Application User Guide* explains how to use the Yantra 7x Mobile Application consoles. It contains the following chapters:

Chapter 1, "Mobile Application Overview"
This chapter gives an overview of the Yantra 7x Mobile Application.

Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework"
This chapter explains how to navigate through the Yantra 7x Mobile Application console.

Chapter 3, "Logging in to the Yantra 7x Mobile Application"
This chapter explains how to log in to the Yantra 7x Mobile Application.

Chapter 4, "Pre-Receiving"
This chapter explains how to pre-receive inbound shipments using the Yantra 7x Mobile Application.

Chapter 5, "Receiving"
This chapter describes how to receive shipments using the Yantra 7x Mobile Application.

Chapter 6, "Performing System-Directed Tasks"
This chapter describes how to perform tasks suggested by the system using the Yantra 7x Mobile Application.

Chapter 7, "Performing Putaway"

This chapter describes how to perform putaway using the Yantra 7x Mobile Application.

Chapter 8, "Performing Retrieval or Replenishment"

This chapter describes how to retrieve or replenish pallets, cases, SKUs, or a combination of cases and SKUs using the Yantra 7x Mobile Applicationl.

Chapter 9, "Performing Count"

This chapter describes how to perform count using the Yantra 7x Mobile Application.

Chapter 10, "Picking Inventory"

This chapter describes how to perform pick using the Yantra 7x Mobile Application.

Chapter 11, "Performing Ad hoc Moves"

This chapter describes how to manually move inventory using the Yantra 7x Mobile Application.

Chapter 12, "Building a Case or Pallet"

This chapter describes how to over pack cases or build pallets using the Yantra 7x Mobile Application.

Chapter 13, "Undoing Container Build"

This chapter describes how to undo container build using the Yantra 7x Mobile Application.

Chapter 14, "Trailer Loading"

This chapter describes how to perform trailer loading using the Yantra 7x Mobile Application.

Chapter 15, "Requesting Specific Tasks by Type"

This chapter describes how to select a task by type and perform the task using the Yantra 7x Mobile Application.

Chapter 16, "Inquiring About Inventory"

This chapter describes how to inquire inventory for items, serialized items, license plated pallets, license plated cases, or outbound containers using the Yantra 7x Mobile Application.

Chapter 17, "Performing Force Moves"

This chapter describes how to move products that are already allocated against another task using the Yantra 7x Mobile Application.

Chapter 18, "Performing Manual Count"

This chapter explains how you can use the Yantra 7x Mobile Application to perform a manual count for inventory present in a location, case or pallet.

Chapter 19, "Inducting a Tote"

This chapter explains how you can use the mobile terminal to induct a tote and associate it with a container, shipment, or a batch.

Chapter 20, "Sorting Inventory"

This chapter explains how to sort inventory to be put away using the Yantra 7x Mobile Application.

Chapter 21, "Inducting a Cart"

This chapter explains how you can use the Yantra 7x Mobile Application to induct a cart and associate it with a batch.

Chapter 22, "Manually Building a Cart"

This chapter explains how you can use the Yantra 7x Mobile Application to build a cart.

Chapter 23, "Picking Inventory into a Cart"

This chapter explains how to pick inventory into a cart using the Yantra 7x Mobile Application.

2

Understanding the Yantra 7x Mobile Application Console Framework

The Yantra 7x Mobile Application console framework is created to support the use of CUI (Character User interface) or VT220 and GUI (Graphical User Interface) Mobile Terminals in a warehouse. The framework presents execution specific functionality through the terminals built for wireless connectivity. The transactions are designed to be executed by scanning data into the appropriate fields. Use of keyboard or touchscreen is minimized to help you work more efficiently.

The features of the Yantra 7x Mobile Application console framework include:

- Function Keys
- Field Level Validations
- Barcode Handling Capabilities

2.1 Function Keys

Function keys are provided as shortcuts to enable you to quickly navigate through the application. For example, the function key to view the Main Menu is F10.

Function Keys for Character User Interface Mobile Terminal

Navigating through the CUI mobile terminal screens is primarily based on the "Arrow" keys for scrolling UP or DOWN the screen. The CUI mobile terminal operates mainly on the basis of the function keys F1 through F12, which provide context-driven functions.

The F1 key brings up the contextual help screen. In most instances, F3 is "Go", and F10 brings up the main menu.

F1 Key - Contextual Help

The F1 function key provides instant access to contextual help. It provides the complete list of available functions with respect to the various function keys, in any given context.

For example, when the F1 key is used during login, the following options are displayed:

```
Enter to go back
Up/Dn Arrow Scroll
_____

F1=This help
F3=Login
F10=Exit
```

In this example, the F3 function key will submit the login information.

Here, the F10 key will exit the application, while the ENTER key will return you to the previous menu.

2.2 Field Level Validations

Data is validated at an individual field level against the specific process data. Information based fields including notes are not validated. Errors are reported upon scanning or during manual entry, after pressing TAB.

2.3 Barcode Handling Capabilities

The field level validation in the Mobile Terminals includes the ability to translate barcode information to the appropriate data field. Fields are tied into Bar Code Types that are used to validate against the appropriate sources. For example, a location field validates against the location ID and a unique barcode. An item field can have either the Item ID, UPC Code, LPN, UPC Case Code scanned.

For more information on bar code types, refer to the *Yantra 7x Warehouse Management System Configuration Guide*.

3

Logging in to the Yantra 7x Mobile Application

The Yantra 7x Mobile Application is created to support the use of CUI (Character User interface) and GUI (Graphical User Interface) Mobile Terminals in a warehouse.

This chapter explains how to log in to the GUI Mobile Terminal and the CUI Mobile Terminal.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

3.1 Logging in to the Graphical User Interface Mobile Terminal

To log in to the GUI mobile terminal:

1. From the Taskbar, select Start

2. Choose Programs > Yantra Mobile App II.

3. Enter or choose the application server's URL.

4. Enter a valid login ID and password to log in to the Yantra 7x Application.

5. Choose Login. The Menu Page window appears.

6. Choose Exit to quit the Yantra Mobile Application.

Table 3–1   GUI Mobile Terminal Login Entry Fields

Fields	
Select host from list or Enter URL	The application server's URL. For example, "10.11.20.93:9001".
Login	The login ID.
Password	The login password.

> **Troubleshooting Tip:**
>
> Problem
>
> An error message, "A connection with the server could not be established" occurs.
>
> Cause
>
> The RF device is in power save mode. You switched on the device and immediately started using it.
>
> Resolution
>
> Close the error message box and wait for 10-15 seconds for the system to restore network connections.

3.2 Logging in to the Character User Interface Mobile Terminal

To log in to the CUI mobile terminal:

1. From the `$VT220HOME` directory, run
   `yantravt220 -i [IP Address] -p [Port Number]`

where, `[IP Address]` and `[Port Number]` are the application server's IP Address and Port Number respectively.
For example: `-i 10.11.20.93 -p 9001`

The other parameters available at the command level are:
`-d [Debug Level] -f [FileName] -l [Logfile] -t [Title Line]`

> **Note:** To ensure that the relevant screen titles like Pre-Receive, Receive, Task Type, are displayed in the CUI Mobile Terminal screen, run `yantrav220` with `-t` parameter at the command level.

2. The Yantra 7x Mobile Application login screen appears.

3. Enter a valid User Id and Password to log in to the Yantra Mobile Application.

```
Yantra 7x Mobile App

User Id
_____
Password
_____
```

4. Choose F3. The Menu Page window appears.

5. Choose F1 for contextual Help. For more information about the F1 key, see Function Keys for Character User Interface Mobile Terminal.

6. Choose F10 to quit the Yantra Mobile Application.

4

Pre-Receiving

You can perform pre-receive tasks on the Yantra 7x Mobile Application for a purchase order or shipment, and a return order.

This chapter explains how to Pre-Receive inbound shipments using a Graphical User Interface (GUI) Mobile Terminal or a Character User Interface (CUI) Mobile Terminal.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

For more information about using the Mobile Terminals, refer to the respective product information and user guides.

> **Note:** The navigation process and functions, especially the screens, are similar between a GUI and CUI Mobile Terminal. Any difference in the process or function has been specifically pointed out in the documentation.

4.1 Identifying the Shipment or Order to Pre-receive

To identify the shipment or order to pre-receive:

1. From the Menu page, select Pre-Receive and press ENTER.

2. The Pre Receive Window displays the list of available document types.

3. Select the appropriate document type, and press ENTER.
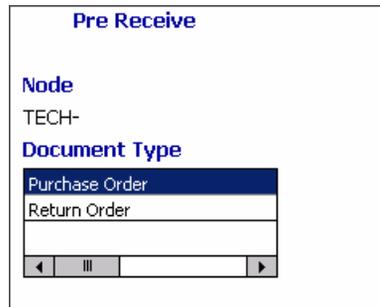
Pre Receive

Node
TECH-
Document Type

Purchase Order
Return Order

4. Enter or scan the pre-receive criteria. Based on the criteria entered, the system validates the information and displays shipments that can be pre-received.
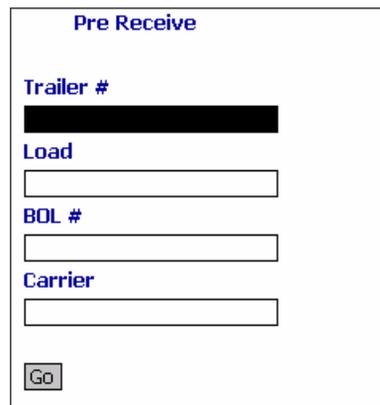
Pre Receive

Trailer #

Load

BOL #

Carrier

Go

5. Choose Go if using the GUI mobile terminal. If using a CUI mobile terminal, press F3.

    •   If the system does not find any shipment matching the criteria, the order number and enterprise of the receipt should be captured, in order to proceed with receiving. For more information about capturing these receipt details, see Section 4.1.2, "Capturing the Shipment's Order Number and Enterprise".

    •   If the system finds multiple shipments matching the pre-receive criteria, the Pre Receive window displays these shipments and lets you select the shipment to pre-receive at a specified location. For

more information about pre-receiving shipments into the location, see Section 4.1.1, "Selecting the Shipments to Pre-Receive".

- If the system finds a unique shipment matching the pre-receive criteria, containers may be pre-received at a location. For more information about pre-receiving containers, see Section 4.2, "Pre-Receiving Containers".

Table 4–1   Pre-Receiving Criteria Fields

Fields	
Trailer #	Enter or scan the trailer number, if applicable.
Load #	Enter or scan the load number, if applicable.
BOL #	Enter or scan the bill of lading number, if applicable.
Carrier	Enter or scan the carrier code, if applicable.

4.1.1 Selecting the Shipments to Pre-Receive

The Pre Receive window displays the results of the pre-receive criteria search.

To select a shipment to pre-receive:

1. Select the applicable receivable shipment number from the list.
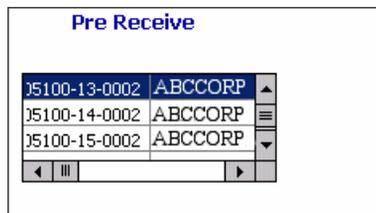
2. Press Enter in both GUI mobile terminal and CUI mobile terminal to receive the shipment at a specified location. For specifying the location and the container in which to pre-receive, see Section 4.2, "Pre-Receiving Containers".

Table 4–2   Shipment List Fields

Fields	
Shipment	The shipment number.
Enterprise	The enterprise associated with the shipment.

4.1.2 Capturing the Shipment's Order Number and Enterprise

To capture the shipment's order number and enterprise:

1. In Order #, enter or scan the shipment's order number.

2. In Enterprise, enter or scan the enterprise associated with the order.

3. Choose Go in the GUI mobile terminal to pre-receive the container into the scanned location. In a CUI mobile terminal, press F3. See Section 4.2, "Pre-Receiving Containers".

Table 4–3   Shipment Details Fields

Fields	
Order #	The order number for the receipt.
Enterprise	The enterprise associated with the order.

4.2 Pre-Receiving Containers

You need to scan the location into which to pre-receive the containers of the shipment or order.

To pre-receive the containers:

1. In Location, enter or scan the location to receive the containers.

2. In Container, enter or scan the container number to be received.

3. Choose Done in the GUI mobile terminal after you pre-receive all containers into the location. In the CUI mobile terminal, press F8.

Table 4–4   Pre-Receiving Containers Fields

Fields	
Location	Enter or scan location to associate with the receipt.
Container	Enter or scan the container number being pre-received.
# of Rcvd Containers	The number of expected containers in the receipt.

Table 4–5   Pre-Receiving Containers Barcode Types

Fields	
Location	Location
Container #	ShippingContainer

5

Receiving

You can perform receive tasks on the Yantra 7x Mobile Application for a purchase order or shipment, and a return order.

The Yantra 7x Mobile Application lets you receive shipments into those nodes that are ready for receiving.

It lets you:

- Receive cases into a pallet.
- Receive cases into a pallet containing SKUs.
- Receive SKU into a pallet.
- Receive SKU into a case.

This chapter explains how to receive shipments using the GUI and CUI Mobile Terminals.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

5.1 Identifying the Shipment to Receive

To identify the shipments to receive:

1. From the Menu page, select Receipt and press Enter.
2. The Receive window displays the list of available document types.
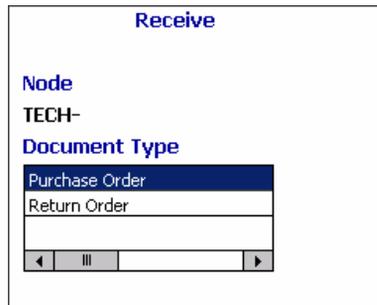
Receive

Node
TECH-
Document Type

Purchase Order
Return Order

3. Select the appropriate document type and press ENTER.

4. Enter or scan the receiving criteria. Based on the criteria entered, the system validates the information and expects you to scan the location to receive the item.
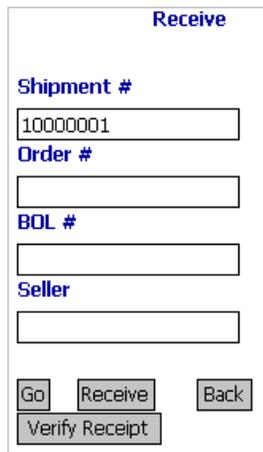
Receive

Shipment #

10000001

Order #

BOL #

Seller

Go   Receive   Back
Verify Receipt

5. Choose Go in the GUI mobile terminal. If using the CUI, press F3.

- If a unique receivable shipment is determined for the criteria entered, scan the receiving location to receive shipments. For more information about scanning the receiving location, see Section 5.2, "Receiving Shipments into a Location or Pallet".

- If a unique receivable shipment is not determined from the criteria entered and if the order number is specified, scan the enterprise for the shipment. For more information about scanning the enterprise, see Section 5.1.2, "Capturing the Shipment's Enterprise".

- If the receiving criteria is not captured or if multiple receivable shipments corresponding to the criteria are captured, select the appropriate shipment from a list of receivable shipments. For more information about selecting the appropriate shipment from a list of receivable shipments, see Section 5.1.1, "Selecting the Shipments to Receive".

6. Choose Receive in the GUI mobile terminal to receive pallets or cases into the location belonging to the shipment. If using the CUIIf using the CUI mobile terminal, press F8. For more information about receiving pallets or cases, see Section 5.2, "Receiving Shipments into a Location or Pallet".

7. Choose Back in the GUI mobile terminal to return to the previous screen. In the CUI terminal, press F4.

8. Choose Verify Receipt in the GUI mobile terminal. If using the CUI mobile terminal, press F11. The Verify Receipt screen appears. You can check to see if all pallets and cases associated with the shipment are received. However, if any discrepancy is found, the system displays appropriate message.

Table 5–1   Receive Criteria Fields

Fields	
Shipment #	Enter or scan the shipment number, if applicable.
Order #	Enter or scan the order number, if applicable.
BOL #	Enter or scan the bill of lading number, if applicable.
Seller	Enter or scan the seller associated with the shipment, if applicable.

5.1.1 Selecting the Shipments to Receive

The Receive window displays the results of the receive criteria search.

To select a shipment to receive:

1. Select the applicable receivable shipment number from the list.

You can receive the shipment into the location. For more information about receiving the shipment into the location, see Section 5.2, "Receiving Shipments into a Location or Pallet".
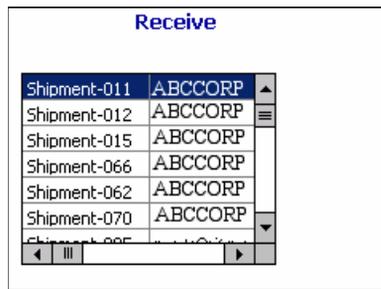
2. Press Enter in both GUI mobile terminal and CUI mobile terminal to receive the shipment at a specified location. For more information about specifying the location and the container in which to receive, see Section 5.2, "Receiving Shipments into a Location or Pallet".

Table 5−2   Receivable Shipment List Fields

Fields	
Shipment	The shipment number is displayed.
Vendor	The vendor for the shipment is displayed.
SCAC	The carrier code for the shipment is displayed.
Enterprise	The enterprise associated with the shipment is displayed.

5.1.2 Capturing the Shipment's Enterprise

To capture the shipment's enterprise:

1. In Enterprise, enter or scan the enterprise.

Receive

Enterprise

Go

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. If the system allows manual shipment entry for the selected enterprise, you can enter or scan the location in which to receive shipments. For more information about entering or scanning the location in which to receive shipments, see Section 5.2, "Receiving Shipments into a Location or Pallet".

Table 5–3 Enterprise Entry Field

Fields	
Enterprise	Enter or scan the enterprise associated with the receipt.

5.2 Receiving Shipments into a Location or Pallet

The Yantra 7x Mobile Application lets you enter or scan the location or pallet in which to receive shipments.

To receive shipments into a location or pallet:

1. In Location, enter or scan the receiving location.

2. In Pallet ID, enter or scan the receiving Pallet LPN.

```
                    Receive

         Location
         DOCK-LOC
         Pallet ID

         |


         Go   Info      Done
         Verify Receipt
```

3. Choose Go in the GUI mobile terminal to receive cases or SKUs into the pallet, if applicable. If using the CUI mobile terminal, press F3. For more information about receiving cases or SKUs into the pallet, see Section 5.3, "Receiving SKUs and Cases".

4. Choose Info in the GUI mobile terminal to view the receivable shipment details. If using the CUI mobile terminal, press F7. For more information about viewing receivable shipment details, see Section 5.2.1, "Viewing Receivable Shipment Details".

5. Choose Done in the GUI mobile terminal to indicate that the receipt for a shipment is complete. If using the CUI mobile terminal, press F8. The system suggests to select the document type to receive next shipment, if applicable. For more information about identifying the next shipment to receive, see Section 5.1, "Identifying the Shipment to Receive".

6. Choose Verify Receipt in the GUI mobile terminal. If using the CUI mobile terminal, press F11. The Verify Receipt screen appears. You can check to see if all pallets and cases associated with the shipment are received. However, if any discrepancy is found, the system displays appropriate message.

Table 5—4   Receive shipment into Location Fields

Fields	
Location	Enter or scan the location associated with the receipt. Typically, a dock location is referred to as receiving location.
Pallet ID	Enter or scan the pallet LPN.

Table 5—5   Receive shipment into Location Barcode Types

Fields	
Location	Location
Pallet ID	ShippingOrInventoryContainer

5.2.1 Viewing Receivable Shipment Details

The Yantra 7x Mobile Application lets you view the receivable shipment details.

Choose Prev View in the GUI mobile terminal to return to the previous screen. If using the CUI mobile terminal, press F7.

```
            Receive

Shipment
100000002
Vendor
MA03
Carrier

Enterprise
ENT1

  [ Prev View ]
```

Table 5–6   Receive Shipment Details Fields

Fields	
Shipment	The shipment number is displayed.
Vendor	The vendor number for the shipment is displayed.
Carrier	The carrier code for the shipment is displayed.
Enterprise	The enterprise associated with the shipment is displayed.

5.3 Receiving SKUs and Cases

The Yantra 7x Mobile Application lets you receive cases, SKUs and a combination of cases and SKUs. You can also receive SKUs into a case in the location.

5.3.1 Identifying the Case or SKU to Receive

To identify the cases and SKUs to receive:

1. In Item ID/Case ID, enter or scan the case or SKU. If an activity demand exists for the case or SKU that you scanned, view the activity demand details. For more information about viewing the activity demand details, see Section 5.3.2, "Viewing Activity Demand for a Case or SKU".

> **Note:**   If the case or SKU scanned has inventory information such as tag number, serial number, expiration date, quantity from the barcode translation, you will not be prompted to capture the inventory information. Typically, a 2D barcode provides such inventory information on translation.
>
> For example: If a tag tracked item with lot number "L" has tag information from the barcode translation that the item belongs to lot "L", the Tag Entry window will not be displayed.

2. In Order #, enter or scan the order number, if applicable.

```
                         Receive
           Item ID/Case ID
           ┌──────────────────────────┐
           │                          │
           └──────────────────────────┘
           Case ID


           SKU


           Order #
           ┌──────────────────────────┐
           │                          │
           └──────────────────────────┘

           ┌──┐  ┌─────────┐    ┌────┐
           │Go│  │Close Plt│    │Info│
           └──┘  └─────────┘    └────┘
           ┌──────────┐  ┌────┐
           │Close Case│  │Done│
           └──────────┘  └────┘
           ┌──────────────┐
           │Verify Receipt│
           └──────────────┘
```

3. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If receive instructions are available for a SKU, the system automatically displays the receiving instructions. For more information about viewing receiving instructions, see Section 5.3.3, "Viewing item Receive Instructions".

- If the SKU is tag tracked, capture the tag details. For more information about capturing tag details, see Section 5.3.4, "Capturing the Tag Numbers".

- If the SKU is time sensitive, capture the expiration date. For more information about capturing expiration dates, see Section 5.3.5, "Capturing the Expiration Date".

- If the SKU is serial tracked or requires returns and outbound serial tracking, capture the serial number. For more information about capturing serial numbers, see Section 5.3.6, "Capturing the Serial Number".

> **Note:**
>
> - For Purchase Order receiving, the serial capture window appears only if the "Serial Numbers Tracked In Inventory" is checked.
>
> - For Returns receiving, the serial capture window appears if both "Serial Numbers Tracked In Inventory" or "Serial Numbers Tracked In Returns And Outbound" are checked.

- If receive instructions are not available for a SKU, or if the SKU is not tag tracked, or not a time sensitive SKU, or not serial tracked, enter the SKU quantity. For more information about entering the quantity of SKU received, see Section 5.3.7, "Entering the Quantity of SKU Received".

4. Choose Close Plt in the GUI mobile terminal to close a pallet. If using the CUI mobile terminal, press F6. For more information about closing a pallet, see Section 5.3.8, "Closing a Pallet".

5. Choose Info in the GUI mobile terminal to view a list of cases that you scanned. If using the CUI mobile terminal, press F7.

6. Choose Close Case in the GUI mobile terminal to close a received case. If using the CUI mobile terminal, press F7.

7. Choose Done in the GUI mobile terminal to receive shipments into a new location or a pallet. If using the CUI mobile terminal, press F8. For more information about receiving shipments into a location or pallet, see Section 5.2, "Receiving Shipments into a Location or Pallet".

8. Choose Verify Receipt in the GUI mobile terminal. If using the CUI mobile terminal, press F11. The Verify Receipt screen appears. You can check if all pallets and/or cases associated with the shipment are received. However, if any discrepancy is found, the system displays appropriate messages.

Table 5–7   Receiving Case, SKU or both Fields

Fields	
Item ID/Case ID	Enter or scan the item ID or case to receive.
Case ID	The case LPN associated with the receipt.
SKU	The item corresponding to the SKU scanned is automatically populated by the system.
Order #	Enter or scan the purchase order number, if applicable. This field becomes mandatory when the system does not automatically determine the order number corresponding to the case ID or SKU on a shipment.

Table 5–8   Receiving Case, SKU or both Barcode Types

Fields	
Item ID/Case ID	ItemOrShippingContainer

5.3.2 Viewing Activity Demand for a Case or SKU

The Yantra 7x Mobile Application lets you view the activity code for a case or SKU and scan a different pallet into which the diverted cases or SKUs are arranged.

To scan a pallet:

1. In Pallet ID, enter or scan the pallet LPN.

```
              Receive
Case ID
00012365478998745632
Demand For
QC
Pallet ID

[                        ]



[ Go ]
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The system suggests you to scan next SKU, case, or a combination of both, if available. For more information about receiving SKUs and cases, see Section 5.3, "Receiving SKUs and Cases".

Table 5−9   Activity Demand Fields

Fields	
Case ID	Only if you scan a case, the case LPN displays.
Demand For	The activity code for the case or SKU displays.
Pallet ID	Enter or scan the pallet LPN.

Table 5−10   Activity Demand Barcode Types

Field	
Pallet ID	InventoryPallet

5.3.3 Viewing item Receive Instructions

The Yantra 7x Mobile Application lets you view item receiving instructions in the Receive window. Item receiving instructions are automatically displayed by the system.
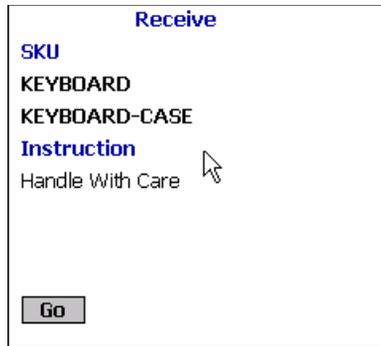
After you view the item receiving instructions, choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If the SKU is tag tracked, capture the tag details. For more information about capturing tag details, see Section 5.3.4, "Capturing the Tag Numbers".

- If the SKU is time sensitive, capture the expiration date. For more information about capturing expiration dates, see Section 5.3.5, "Capturing the Expiration Date".

- If the SKU is serial tracked or requires returns and outbound serial tracking, capture the serial number. For more information about capturing serial numbers, see Section 5.3.6, "Capturing the Serial Number".

- If the SKU is not tag tracked, or not time sensitive, or not serial tracked, enter the SKU quantity. For more information about entering the quantity of SKU to be received, see Section 5.3.7, "Entering the Quantity of SKU Received".

Table 5−11   SKU Receive Instruction Fields

Fields	
SKU	The item corresponding to the SKU scanned is automatically populated by the system.
Instruction	Catalog level instructions associated with the SKU are displayed.

5.3.4 Capturing the Tag Numbers

Note: You can enter the tag attributes only if the node when receiving inventory is configured to capture the tag attributes in all operations performed within the node, or if the buyer on a shipment mandates it as a part of the inbound compliance. For more information about capturing the tag attributes, refer to the *Yantra 7x Platform Configuration Guide*.

The Yantra 7x Mobile Application lets you capture the tag numbers for a tag tracked SKU. For example, Lot #, Batch #.

To capture the tag numbers:

1. In Lot #, enter or scan the lot number.

```
SKU
BOX
Lot #
[                              ]

[ Go ]
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If tag numbers does not exist, capture the tag attributes. For more information about capturing tag attributes, see Section 5.3.4.1, "Capturing Tag Attributes".

- If tag numbers exist, and if the SKU is time sensitive, capture the expiration date. For more information about capturing expiration dates, see Section 5.3.5, "Capturing the Expiration Date".

- If the SKU is serial tracked, or requires returns and outbound serial tracking, capture the serial number. For more information about capturing serial numbers, see Section 5.3.6, "Capturing the Serial Number".

- If the SKU is not time sensitive, or not serial tracked, enter the SKU quantity. For more information about entering the quantity of SKU to be received, see Section 5.3.7, "Entering the Quantity of SKU Received".

Table 5–12 SKU Tag Entry Fields

Fields	
SKU	The item corresponding to the SKU scanned.
Lot #	Enter or scan the lot number, if applicable.
Batch #	Enter or scan the batch number, if applicable.
Revision #	Enter or scan the revision number, if applicable.

Note: The fields displayed vary depending on the item scanned.

5.3.4.1 Capturing Tag Attributes

To capture tag attributes:

1. In Lot Attribute 1, enter or scan the Lot number.

```
              Receive
SKU
BOX
Lot Attribute 1


  Go
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If the SKU is time sensitive, capture the expiration date. For more information about capturing expiration dates, see Section 5.3.5, "Capturing the Expiration Date".

- If the SKU is tracked by serial number, or requires returns and outbound serial tracking, capture the serial number. For more information about capturing serial numbers, see Section 5.3.6, "Capturing the Serial Number".

- If the SKU is not time sensitive, or not serial tracked, enter the SKU quantity. For more information about entering the quantity of SKU to be received, see Section 5.3.7, "Entering the Quantity of SKU Received".

Note: The fields displayed vary depending on the item scanned.

Table 5−13   SKU Tag Attribute Fields

Fields	
SKU	The item corresponding to the case suggested.
Lot Attribute 1	Enter or scan the lot attribute, if applicable.

5.3.5 Capturing the Expiration Date

The Yantra 7x Mobile Application lets you capture the expiration date for a time sensitive SKU.

To capture the expiration date:

1. In Expiration Date, enter or scan the expiration date.

```
Pick -    D

SKU
KEYBOARD
Expiration Date
|

Go
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If the SKU is serial tracked, or requires returns and outbound serial tracking, capture the serial number. For more information about capturing the serial number, see Section 5.3.6, "Capturing the Serial Number".

- If the SKU is not serial tracked, enter the SKU quantity. For more information about entering the quantity of SKU to be received, see Section 5.3.7, "Entering the Quantity of SKU Received".

Table 5–14   Expiration Date Fields

Fields	
SKU	The item is suggested.
Expiration Date	Enter or scan the expiration date, if applicable.

5.3.6 Capturing the Serial Number

The Yantra 7x Mobile Application lets you capture the item's serial number.

To capture the serial number:

1. In Serial #, enter or scan the serial number.

If the secondary serial number exists for an item, capture the secondary serial numbers. For more information about entering the secondary serial number, see Section 5.3.6.1, "Capturing the Secondary Serial Numbers".
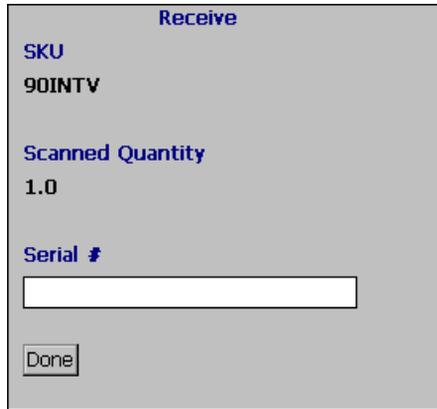
2. Press Tab in the GUI or CUI mobile terminal.

   - If your system administrator has set the yfs.serial.receiving property to "Y" in the yfs.properties file, you can enter the disposition code details. For more information about disposition code details, see Section 5.3, "Receiving SKUs and Cases".

   - If the yfs.serial.receiving property is set to "N", you can scan the next serial. By default, this property is set to "N".

3. Choose Done in the GUI mobile terminal to indicate that the scanning of all serials is complete. If using the CUI mobile terminal, press F8. For more information about receiving SKUs and cases, see Section 5.3, "Receiving SKUs and Cases".

Table 5–15   Serial Number Entry Fields

Fields	
SKU	The item is suggested.
Scanned Quantity	The number of serials scanned displays.
Serial #	Enter or scan the serial number.

5.3.6.1 Capturing the Secondary Serial Numbers

To capture the item's secondary serial number:

1. In Secondary Serial #, enter or scan the component serial number of an item, if applicable.

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The system suggests to scan the next secondary serial number, if available. If not, capture the serial number for a SKU. For more information about entering the serial number, see Section 5.3.6, "Capturing the Serial Number".

Table 5–16   Secondary Serial Number Entry Fields

Fields	
SKU	The item is suggested.
Serial #	The item's serial number is automatically populated by the system.
Secondary Serial #	Enter or scan the component serial number of the item, if applicable.

5.3.7 Entering the Quantity of SKU Received

The Yantra 7x Mobile Application lets you enter or scan the disposition code and the SKU quantity you received.

1. In Operational UOM, enter or scan the SKU quantity in terms of operational UOM, if applicable. For example, Case, Pallet, or SKU.

2. In Inventory UOM, enter or scan the SKU quantity in terms of Inventory UOM. For example, the basic UOM for a monitor is EACH, ROLL for metal sheets, Cubic Metres for a metal block.

3. In Disposition Code, enter or scan the disposition code.

```
                    Receive
SKU
MOUSE
UOM             Quantity
CASE            [        ]
EACH            [        ]
Disposition Code
[SENT_FOR]

[Go] [Close Case]    [Back]
```

4. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

   - If an activity demand exists for the case you scanned, view the activity demand details. For more information about viewing the case's activity demand, see Section 5.3.2, "Viewing Activity Demand for a Case or SKU".

   - If the activity demand does not exist, the system suggests to scan the next SKU, case or a combination of both to receive, if available. For more information about identifying the next case or SKU to receive, see Section 5.3.1, "Identifying the Case or SKU to Receive".

5. Choose Close Case in the GUI mobile terminal to close a received case. If using the CUI mobile terminal, press F7.

6. Choose Back to go to the previous screen.

Table 5–17 SKU Received Quantity Entry Fields

Fields	
SKU	The SKU corresponds to the item received.
Disposition Code	Enter or scan the appropriate disposition code. This determines the product class and inventory status for the inventory.
Operational UOM	An operational unit of measure corresponding to the item is displayed. The operational UOM will not be visible if operational UOM for the SKU does not exist. Enter or scan the quantity corresponding to the operational UOM.
Inventory UOM	Inventory unit of measure for the item is displayed. Enter or scan the quantity corresponding to the inventory UOM.

5.3.8 Closing a Pallet

The Yantra 7x Mobile Application lets you view pallet LPN details before closing a pallet. If the pallet contents are manually entered and if it is an expected container, the receiving shipment container is marked as received.

Receive

Pallet ID
00101234561111111111
Total Quantity
800.0

Go

Choose Go in the GUI mobile terminal to close a pallet. If using the CUI mobile terminal, press F3. The system suggests to scan next pallet, if available.

Table 5−18   Close Pallet Fields

Fields	
Pallet ID	The pallet LPN is displayed.
Total Quantity	The total quantity scanned into the pallet is displayed.

6

Performing System-Directed Tasks

This chapter explains how to use the Yantra 7x Mobile Application to perform tasks as directed by the system.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

6.1 Entering the Criteria

To enter the criteria for performing system-suggested tasks:

1. From the Menu page, select Task Controller and press Enter. The Criteria window appears.

2. In Equipment #, enter or scan the equipment you have.
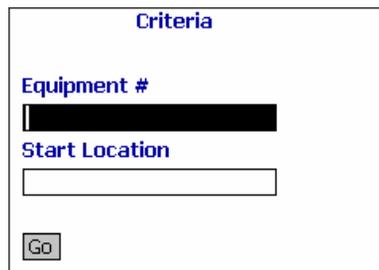
3. In Start Location, enter or scan the current location.

4. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The system suggests any open task to be performed.

For example, if the system suggests Putaway task, put away inventory using the Yantra 7x Mobile Application. For more information about performing put away tasks, see Chapter 7, "Performing Putaway".

> **Note:** If you have no tasks to perform, a "Waiting For Tasks" message displays.
>
> By default, the system checks for open tasks every 60 seconds.
>
> - If you want to change the task polling interval, your system administrator must modify the "com.yantra.ycp.em.server.taskpollingtime" property in the yfs.properties file.
>
> - If you want to avoid continuous polling of tasks, your system administrator must set the "com.yantra.ycp.em.server.taskpollingtime" property to -1.

Table 6–1   Criteria Entry Fields

Fields	
Equipment	Enter or scan the equipment ID.
	The system automatically considers this to suggest tasks.
Start Location	Enter or scan the current location.
	The system uses the location entered to suggest the next optional task.

Table 6–2   Criteria Barcode Type

Field	
Location	Location

7

Performing Putaway

Putaway tasks are generated through requests by the receiving, QC, VAS or returns departments, and may be executed through the Mobile Terminal, batch sheet, or MHE.

The Yantra 7x Mobile Application lets you:

- Putaway a single pallet at a time
- Putaway multiple pallets to a single location
- Putaway multiple pallets to multiple locations
- Putaway multiple cases to a single location
- Putaway multiple cases to multiple locations
- Putaway a SKU
- Putaway multiple SKUs placed within one pallet
- Putaway multiple cases placed within one pallet
- Putaway a combination of multiple SKUs and cases placed within one pallet

This chapter explains how to putaway pallets, cases, and SKUs using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

7.1 Putting away License Plated Pallets

To putaway pallets using the Yantra 7x Mobile Application,

1. From the Menu page, select Putaway and press Enter. The Criteria window appears, which lets you enter the start location. For more information about entering the start location, see Section 7.1.1, "Specifying the Start Location for Pallet Putaway".

2. If the system suggests to verify the putaway location, verify the location. For more information about verifying the pallet pick location, see Section 7.1.2, "Verifying the Pallet Pick Location".

3. If the system suggests a putaway task, pick the pallet from the appropriate location and deposit it into the system-suggested location. For more information about picking pallets, see Section 7.1.3, "Performing Pallet Pick".

7.1.1 Specifying the Start Location for Pallet Putaway

To specify the start location:

1. In Equipment #, enter or scan the equipment used to put away inventory.

2. In Location, enter or scan the location.
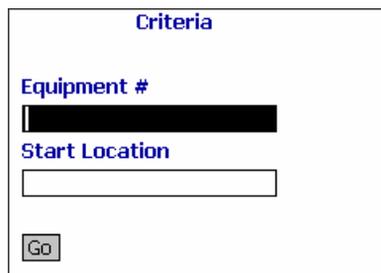
3. Choose Go in the GUI Mobile Terminal. If using CUI Mobile Terminal, press the F3 key.

Table 7—1   Criteria Fields

Fields	
Equipment #	Enter or scan the equipment ID.
	The system automatically considers this to suggest tasks.
Start Location	Enter or scan the current location.
	The system uses the location entered to suggest the next optional task.

Table 7—2   Criteria Barcode Type

Field	
Location	Location

7.1.2 Verifying the Pallet Pick Location

The Location window lets you enter or scan the location to pick pallets, cases or SKUs.

To scan the location:

1. In Location, enter or scan the pick location to pick the pallets, if applicable.
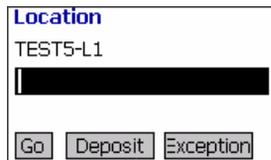
2. Choose Go in the GUI mobile terminal to pick pallets from the scanned location. If using the CUI mobile terminal, press the F3 key. For more information about picking pallets, see Section 7.1.3, "Performing Pallet Pick".

3. Choose Deposit in the GUI mobile terminal to deposit the inventory that you picked. If using the CUI mobile terminal, press the F8 key.

For more information about depositing pallets, see Section 7.1.4, "Depositing Pallets".

4. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

Table 7–3   Location Fields

Field	
Location	The location to pick pallets, cases, or SKUs.

Table 7–4   Location Barcode Type

Field	
Location	Location

7.1.3 Performing Pallet Pick

The Yantra 7x Mobile Application lets you view a list of pick instructions while picking a pallet, and then pick the appropriate pallet.

To pick a pallet:

1. In Pallet ID, enter or scan the pallet LPN, if applicable.

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press the F3 key. The system suggests the next pick task, if

available. If not, deposit the pallets into the location. For more information about depositing pallets, see Section 7.1.4, "Depositing Pallets".

3. In the GUI mobile terminal, choose Deposit to deposit the pallets. If using the CUI mobile terminal, press the F8 key. For more information about depositing pallets, see Section 7.1.4, "Depositing Pallets".

4. In the GUI mobile terminal, choose Exception to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

Table 7–5   Pick Pallet Fields

Fields	
Location	The location to pick from is suggested.
Pallet ID	Pallet LPN to pick and putaway is suggested.
	Enter or scan the pallet LPN.
	If you scan a different pallet LPN, pick task is suggested only if task exists for that LPN.

Table 7–6   Pallet Pick Barcode Types

Field	
Pallet ID	InventoryPallet

7.1.4 Depositing Pallets

The Yantra 7x Mobile Application lets you view pallet deposit instructions and then deposit the pallets that you picked into the system-suggested location.

To deposit the pallets:

1. In Pallet ID, enter or scan the pallet LPN, if applicable.

2. In Location, enter or scan the deposit location.

```
Deposit -    TaskType1
Pallet ID
00000445450000000101
┌─────────────────────────┐
└─────────────────────────┘
Drop Off
TEST4-L1
Location
TEST4-L1
████████████████████████
┌────┐ ┌──────────────┐
│ Go │ │  Deposit All │
└────┘ └──────────────┘
┌─────────────┐ ┌────────────┐
│  Exception  │ │ Drop Offs  │
└─────────────┘ └────────────┘
```

3. Choose Go in the GUI mobile terminal to deposit the pallets into the location. If using the CUI mobile terminal, press the F3 key. The system displays the next deposit task or open task, if available.

4. Choose Deposit All in the GUI mobile terminal, to deposit all pallets into the location. If using the CUI mobile terminal, press the F6 key.

5. Choose Exception in the GUI mobile terminal, to record deposit exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording deposit exceptions, see Section 7.5, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal to view a list of system-suggested drop off locations to deposit the pallets. If using the CUI mobile terminal, press the F7 key. For more information about viewing drop off locations, see Section , "Viewing a List of Drop Off Locations".

    If you cannot deposit pallets into the system-suggested location, record deposit exceptions. For more information about depositing pallets, For more information about recording deposit exceptions, see Section 7.5, "Recording Deposit Exceptions".

> **Note:** The system creates a second step move task only when at least one of the following two conditions are met:
>
> - When the suggested and the actual deposit locations have different location types.
>
> - If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 7–7   Deposit Pallet Fields

Fields	
Pallet ID	Pallet LPN to deposit is suggested.
	Enter or scan the pallet LPN.
	If different pallet LPN is entered, deposit is allowed only if pallet LPN has been picked in this trip.
Drop off Location	The optimal drop off location populated by the system.
	This value is shown only if the task is executed through a drop-off location.
Location	The deposit location is displayed.
	Enter or scan the drop off location.

> **Tip:** The optimal drop off location is determined through an algorithm. The drop-off location corresponding to the last location picked is evaluated against common drop-off locations for the target locations. The first in putaway sequence is suggested to the user.

Table 7–8   Deposit Pallet Barcode Types

| Fields	
Pallet ID	InventoryPallet
Location	Location

7.2 Putting away License Plated Cases

To putaway cases using the Yantra 7x Mobile Application,

1. From the Menu page, select Putaway and press Enter. The Criteria window appears, which lets you enter the start location. For more information about entering the start location, see Section 7.2.1, "Specifying the Start Location for Case Putaway".

2. If the system suggests to verify the putaway location, verify the location. For more information about verifying the case pick location, see Section 7.2.2, "Verifying the Case Pick Location".

3. If the system suggests a putaway task, pick the case from the appropriate location and deposit it into the system-suggested location. For more information about picking cases, see Section 7.2.3, "Performing Case Pick".

7.2.1 Specifying the Start Location for Case Putaway

To specify the start location:

1. In Equipment #, enter or scan the equipment used to put away inventory.

2. In Location, enter or scan the location.

```
              Criteria

Equipment #
██████████████████████

Start Location
┌──────────────────────┐
│                      │
└──────────────────────┘

┌────┐
│ Go │
└────┘
```

3. Choose Go in the GUI Mobile Terminal. If using CUI Mobile Terminal, press the F3 key.

Table 7–9   Criteria Fields

Fields	
Equipment #	Enter or scan the equipment ID.
	The system automatically considers this to suggest tasks.
Start Location	Enter or scan the current location.
	The system uses the location entered to suggest the next optional task.

*Table 7–10   Criteria Barcode Type*

Field	
Location	Location

7.2.2 Verifying the Case Pick Location

The Location window lets you enter or scan the location to pick pallets, cases or SKUs.

To scan the location:

1. In Location, enter or scan the pick location to pick the cases, if applicable.

Location
TEST5-L1

| Go | Deposit | Exception |
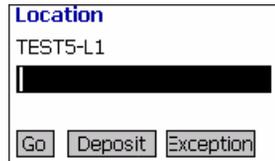
2. Choose Go in the GUI mobile terminal to pick cases from the scanned location. If using the CUI mobile terminal, press the F3 key. For more information about picking cases, see Section 7.2.3, "Performing Case Pick".

3. Choose Deposit in the GUI mobile terminal to deposit the inventory that you picked. If using the CUI mobile terminal, press the F8 key. For more information about depositing cases, see Section 7.2.4, "Depositing Cases".

4. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

Table 7–11   Location Fields

Field	
Location	The location to pick pallets, cases, or SKUs.

Table 7–12   Location Barcode Type

Field	
Location	Location

7.2.3 Performing Case Pick

The Yantra 7x Mobile Application lets you view system-displayed instructions while picking a case, and then pick the case.

To pick the case LPN:

1. In Case ID, enter or scan the case LPN, if applicable.

```
Pick -    TaskType1
Location
D4
Case ID
SINGLE SKU CASE
SINGLE SKU CASE

Go    Deposit   Exception
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press the F3 key. The system suggests the next pick task, if available. If not, deposit the case that you picked. For more information about depositing cases, see Section 7.2.4, "Depositing Cases".

3. Choose the Deposit button in the GUI mobile terminal to deposit the cases. If using the CUI mobile terminal, press the F8 key. For more information about depositing cases, see Section 7.2.4, "Depositing Cases".

4. Choose the Exception button in the GUI mobile terminal to record the pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

Table 7–13   Pick Case Fields

Fields	
Location	The location to pick from is suggested.
Case ID	The Case LPN to pick and putaway is suggested.
	Enter or scan the case LPN.
	If you scan a different case LPN, pick task is suggested only if task exists for that LPN.

Table 7−14   Pick Case Barcode Type

Field	
Case ID	InventoryCase

7.2.4 Depositing Cases

The Yantra 7x Mobile Application lets you view case deposit instructions that the system displays while depositing the cases. Deposit all cases that you picked into the system-suggested location. If the system does not suggest the deposit location, scan the location to deposit the cases.

To deposit the cases:

1. In Case ID, enter or scan the Case LPN, if applicable.

2. In Location, enter or scan the deposit location.

3. Choose Go in the GUI mobile terminal to deposit the cases into the location. If using the CUI mobile terminal, press the F3 key. The system displays next deposit task or open task, if available.

4. Choose Deposit All in the GUI mobile terminal to deposit all cases into the location. If using the CUI mobile terminal, press the F6 key.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording deposit exceptions, see Section 7.5, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal to view a list of system-suggested drop off locations to deposit the cases. If using the CUI mobile terminal, press the F7 key. For more information about viewing drop off locations, Section , "Viewing a List of Drop Off Locations".

   • If you cannot deposit cases into the system-suggested location, record the deposit exceptions. For more information about recording deposit exceptions, see Section 7.5, "Recording Deposit Exceptions".

Note: The system creates a second step move task only when at least one of the following two conditions are met:

- When the suggested and the actual deposit locations have different location types.

- If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 7–15   Deposit Case Fields

Fields	
Case ID	Case LPN to deposit is suggested.
	Enter or scan the case LPN.
	If different case LPN is entered, deposit is allowed only if case LPN has been picked in this trip.

Table 7−15   Deposit Case Fields

Fields	
Drop-off	The optimal drop off location populated by the system.
	This value is displayed only if the task is executed through a drop-off location.
Location/Container	Enter or scan the location or container.
	If the location is scanned, the contents are dropped off into the location.
	If container LPN is scanned, the contents are placed into the container LPN.

Table 7−16   Deposit Case Barcode Types

Fields	
Case ID	InventoryCase
Location/Container	LocationOr
	Inventory
	Container

7.3 Putting away Non-License Plated Products

To putaway non-license plated products or SKUs using the Yantra 7x Mobile Application,

1. From the Menu page, select Putaway and press Enter. The Criteria window appears, which lets you enter the start location. For more information about entering the start location, see Section 7.3.1, "Specifying the Start Location for SKU Putaway".

2. If the system suggests to verify the putaway location, verify the location. For more information about verifying the SKU pick location, see Section 7.3.2, "Verifying the SKU Pick Location".

3. If the system suggests a putaway task, pick the SKU from the appropriate location and deposit it into the system-suggested location. For more information about picking SKUs, see Section 7.3.3, "Performing SKU Pick".

7.3.1 Specifying the Start Location for SKU Putaway

To specify the start location:

1. In Equipment #, enter or scan the equipment used to put away inventory.

2. In Location, enter or scan the location.

3. Choose Go in the GUI Mobile Terminal. If using CUI Mobile Terminal, press the F3 key.

Table 7–17   Criteria Fields

Fields	
Equipment #	Enter or scan the equipment ID.
	The system automatically considers this to suggest tasks.
Start Location	Enter or scan the current location.
	The system uses the location entered to suggest the next optional task.

Table 7–18   Criteria Barcode Type

Field	
Location	Location

7.3.2 Verifying the SKU Pick Location

The Location window lets you enter or scan the location to pick pallets, cases or SKUs.

To scan the location:

1. In Location, enter or scan the pick location to pick the SKUs, if applicable.

2. Choose Go in the GUI mobile terminal to pick SKUs from the scanned location. If using the CUI mobile terminal, press the F3 key. For more information about picking SKUs, see Section 7.3.3, "Performing SKU Pick".

3. Choose Deposit in the GUI mobile terminal to deposit the inventory that you picked. If using the CUI mobile terminal, press the F8 key. For more information about depositing SKUs, see Section 7.3.8, "Depositing SKUs".

4. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, Section 7.4, "Recording Pick Exceptions".

Table 7–19   Location Fields

Field	
Location	The location to pick pallets, cases, or SKUs.

Table 7–20   Location Barcode Type

Field	
Location	Location

7.3.3 Performing SKU Pick

The Yantra 7x Mobile Application lets you view instructions while picking a SKU, and then pick the SKU.

To pick a SKU:

1. In SKU, enter or scan the item, if applicable.

```
Pick -   TaskType1
Location
D7
SKU
MONITOR
MONITOR
 Go   Deposit  Exception
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press the F3 key.

- If the SKU is tag tracked, capture the tag details. For more information about capturing tag details, see Section 7.3.4, "Capturing Tag Numbers".

- If the SKU is time sensitive, capture expiration date. For more information about capturing expiration date, see Section 7.3.5, "Capturing Expiration Dates".

- If the SKU is serial tracked or requires outbound serial tracking, capture the serial number. For more information about capturing serial number, see Section 7.3.6, "Capturing Serial Numbers".

3. Choose Deposit in the GUI mobile terminal to deposit the SKUs into the location. If using the CUI mobile terminal, press the F8 key. For

more information about depositing SKUs, see Section 7.3.8, "Depositing SKUs".

4. Choose Exception in the GUI mobile terminal, to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

Table 7–21   Pick SKU Fields

Fields	
Location	The location to pick from is suggested.
	Enter or scan the location.
SKU	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item identifier of the item to pick and putaway displays. Otherwise, the item identifier of the item to pick and putaway displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.

Table 7–22   Pick SKU Barcode Type

Field	
SKU	Item

7.3.4 Capturing Tag Numbers

Note: You can enter the tag attributes only if the node that is performing putaway tasks is configured to capture the tag attributes in all node operations performed within the node. For more information about capturing the tag attributes, refer to the *Yantra 7x Platform Configuration Guide*.

The Yantra 7x Mobile Application lets you capture tag numbers, such as, the Lot # and the Batch #, associated with the tag tracked SKU.

To capture tag numbers:

1. In Lot #, enter or scan the lot number.

```
Pick -   TaskType1
SKU
BOX
Lot #

┌─────┐ ┌──────────┐
│ Go  │ │ Exception│
└─────┘ └──────────┘
```

2. Choose Go button in the GUI mobile terminal. If using the CUI mobile terminal, press the F3 key.

    • If tag numbers do not exist, capture the tag attributes. For more information about capturing tag attributes, Section 7.3.4.1, "Capturing Tag Attributes".

    • If tag numbers exist,

        – If the SKU is time sensitive, capture the expiration date. For more information about capturing expiration date, see Section 7.3.5, "Capturing Expiration Dates".

        – If the SKU is not time sensitive, or not serial tracked, enter the quantity of SKU that you picked. For more information about entering the SKU pick quantity, see Section 7.3.7, "Entering SKU Pick Quantity".

        – If the SKU is serial number tracked, or requires outbound serial tracking, capture the serial number. For more information about capturing serial number, see Section 7.3.6, "Capturing Serial Numbers".

3. Choose Exception in the GUI mobile terminal, to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

Table 7–23   Capture Tag Number Fields

Fields	
SKU	The item corresponding to the case suggested.
Lot #	Enter or scan the lot number, if applicable.

Note: The fields displayed vary depending on the item scanned.

7.3.4.1 Capturing Tag Attributes

The Yantra 7x Mobile Application lets you capture the tag attributes for a SKU tracked by the tag numbers.

To capture the tag attributes:

1. In Lot Attribute 1, enter or scan the Lot attribute.

```
Pick -    TaskType1
SKU
BOX
Lot Attribute 1
_____

  Go       Exception
```
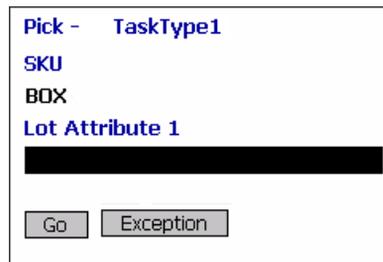
2. Choose the Go button in the GUI mobile terminal. If using the CUI mobile terminal, press F3 key.

    - If the SKU is time sensitive, capture the expiration date. For more information about capturing expiration date, see Section 7.3.5, "Capturing Expiration Dates".

    - If the SKU is not time sensitive or serial tracked, enter the SKU quantity. For more information about entering the SKU quantity, see Section 7.3.7, "Entering SKU Pick Quantity".

- If the SKU is serial tracked or requires outbound serial tracking, capture the serial number. For more information about capturing serial number, see Section 7.3.6, "Capturing Serial Numbers".

3. Choose Exception in the GUI mobile terminal, to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

> **Note:** The fields displayed vary depending on the item scanned.

Table 7–24   Capture Tag Attribute Fields

Fields	
SKU	The item corresponding to the SKU scanned.
Lot Attribute 1	Enter or scan the lot attribute, if applicable.

7.3.5 Capturing Expiration Dates

The Yantra 7x Mobile Application lets you capture the expiration date for a time sensitive SKU.

To capture the expiration date:

1. In Expiration Date, enter or scan the expiration date.

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press the F3 key.

   - If the SKU is tracked by a serial number, or requires outbound serial tracking, capture the serial number. For more information about capturing serial number, see Section 7.3.6, "Capturing Serial Numbers".

   - If the SKU is not tracked by a serial number, enter the quantity of SKU that you picked. For more information about entering the SKU pick quantity, see Section 7.3.7, "Entering SKU Pick Quantity".

3. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

Table 7–25   Capture Expiration Date Fields

Fields	
SKU	The item is suggested.
Expiration Date	Enter or scan the expiration date, if applicable.

7.3.6 Capturing Serial Numbers

Capture the serial number for a serial tracked SKU.

1. In Serial #, enter or scan the serial number.
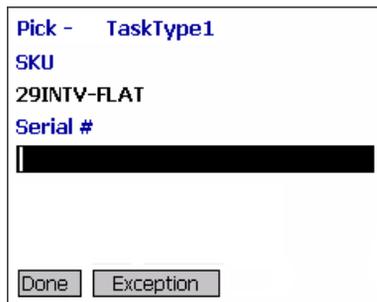
2. Choose Done in the GUI mobile terminal to scan the next SKU to putaway. If using the CUI mobile terminal, press the F8 key. For more information about receiving SKUs, see Section 7.3.3, "Performing SKU Pick".

3. Choose Exception in the GUI mobile terminal, to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

Table 7–26   Capture Serial Number Fields

Fields	
SKU	The item is suggested.
Serial #	Enter or scan the serial number.
Secondary Serial #1	Enter or scan the component serial number of the item, if applicable.
Secondary Serial #2	Enter or scan the component serial number of the item, if applicable.

7.3.7 Entering SKU Pick Quantity

The Yantra 7x Mobile Application lets you can enter or scan the quantity of SKU that you picked.

To enter or scan the quantity of SKU that you picked:

1. In Operational UOM, enter or scan the operational UOM, if applicable.

2. In Inventory UOM, enter or scan the inventory UOM.

   For example, the basic UOM for a monitor is EACH, ROLL for metal sheets, Cubic Metres for a metal block.

```
Pick -    TaskType1
SKU
MONITOR
Operational UOM
CASE          1
Inventory UOM
EACH          1.0
Total
7.00          EACH

   Go      Exception
```

3. Choose Go in the GUI mobile terminal, to indicate that the pick task is complete. If using the CUI mobile terminal, press the F3 key. The system suggests the next pick task, if available.

4. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press the F4 key. For more information about recording pick exceptions, see Section 7.4, "Recording Pick Exceptions".

Table 7–27   SKU Pick Quantity Entry Fields

Fields	
SKU	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item identifier of the item to putaway displays. Otherwise, the item identifier of the item to putaway displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.
Operational UOM	An operational UOM corresponding to the item is displayed.
	Quantity corresponding to the operation UOM is populated.
	The operational UOM is not visible if task quantity is less than alternate UOM's conversion quantity, or when alternate UOM is not specified for the SKU.

Table 7–27   SKU Pick Quantity Entry Fields

Fields	
Inventory UOM	Inventory UOM for the item is displayed.
	Quantity corresponding to the inventory UOM is populated.
Total	The total quantity to be putaway for the item at the location is displayed for the inventory UOM.

7.3.8 Depositing SKUs

The Yantra 7x Mobile Application lets you deposit the SKUs that you picked into the system-suggested location.

To deposit the SKUs:

1. In SKU, enter or scan the SKU, if applicable.

2. In Location, enter or scan the drop off location or container.

3. Choose Go in the GUI mobile terminal to deposit the SKUs into the location. If using the CUI mobile terminal, press the F3 key. The system suggests the next deposit task or open task, if available.

4. Choose Deposit All in the GUI mobile terminal to deposit all the SKUs that you picked into the location. If using the CUI mobile terminal, press the F6 key.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press the F4 key. For

more information about recording deposit exceptions, see
Section 7.5, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal to view a list of
   system-suggested drop off locations to deposit the SKUs. If using the
   CUI mobile terminal, press the F7 key. For more information about
   viewing a list of drop off locations, see Section , "Viewing a List of
   Drop Off Locations".

   • If you cannot deposit SKUs into the system-suggested location,
     record the deposit exceptions. For more information about
     recording deposit exceptions, see Section 7.5, "Recording Deposit
     Exceptions".

Note: The system creates a second step move task only
when at least one of the following two conditions are met:

• When the suggested and the actual deposit locations
  have different location types.

• If the location type of the system-suggested deposit
  location is "STAGING" and the zone of the actual
  deposit location is different from the zone of the
  system-suggested deposit location.

Table 7–28   Deposit SKU Fields

Fields	
SKU	Enter or scan the item to deposit.
	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item identifier of the item to deposit displays. Otherwise, the item identifier of the item to deposit displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.

Table 7–28   Deposit SKU Fields

Fields	
Quantity	The quantity to deposit in inventory UOM is displayed.
Location/Container	Enter or scan the location or container.
	If the location is scanned, the contents are dropped off into the location.
	If container LPN is scanned, the contents are placed into the container LPN.

Table 7–29   Deposit SKU Barcode Types

Fields	
SKU	Item
Location/Container	LocationOrInveNtorycontainer

Troubleshooting Tip:

Problem

The system does not suggest second step putaway task on the Mobile Terminal. The second step putaway task is in 'Held' status and the receipt number is blanked out.

Cause

Inventory belonging to multiple receipts is deposited in the same staging location.

Resolution

While depositing loose SKUs, do NOT mix receipts in the same staging location.

7.4 Recording Pick Exceptions

In the Yantra 7x Mobile Application, you can enter or scan pick exceptions while picking inventory.

To record pick exceptions:

1. In Reason Code, enter or scan the reason code for the pick exception.

```
Pick Exception
Location
TEST5-L1
SKU
MOUSE
Reason Code
|
Go   Back
```

2. Choose Go in the GUI mobile terminal to record pick exceptions. If using CUI mobile terminal, press the F3 key.

3. Choose Back in the GUI mobile terminal. You are returned to the previous window. If using CUI mobile terminal, press the F4 key.

> **Note:** You can record skip exceptions to skip a task and move on to the next task.

Table 7−30   Pick Exception Fields

Fields	
Location	The location for which the exception is recorded.

Table 7–30   Pick Exception Fields

Fields	
Pallet/Case/SKU	The pallet LPN, case LPN, or SKU for which exception is recorded.
Reason Code	Enter the appropriate reason code for the exception.
	The exception reason code entered determines the action to be taken on the exception, such as Mark Target Location as full, Freeze for Putaway and Suggest Alternate Deposit Location
	Note: If the system cannot suggest an alternate location for deposit exception, deposit in the previously suggested location.

Viewing a List of Drop Off Locations

The Mobile Terminal lets you view a list of system-suggested drop off locations to deposit pallets, cases, or SKUs. To return to the previous window, choose Prev View in the GUI mobile terminal. If using CUI mobile terminal, press the F7 key.

7.5 Recording Deposit Exceptions

The Mobile Terminal lets you record deposit exceptions while depositing pallets, cases, or SKUs into a location.

To record deposit exceptions:

1. In Reason Code, enter or scan the reason code for the deposit exception.

```
Exception
Location
D1
SKU
MOUSE
Reason Code
[          ]

[Go]  [Back]
```

2. Choose Go in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press the F3 key.

   If the reason code is configured to allow partial depositing of the picked inventory, then you can deposit a portion of the picked inventory. For more information about partial depositing of the inventory, see Section 7.6, "Partially Depositing License and Non-License Plated Inventory".

3. To return to the previous window, choose Back in the GUI mobile terminal. If using the CUI mobile terminal, press the F4 key.

Table 7–31   Deposit Exception Fields

Fields	
Location	The location for which the deposit exception is recorded.
Pallet/Case/SKU	The pallet LPN, case LPN, or SKU for which the deposit exception is recorded.

Table 7–31 Deposit Exception Fields

Fields	
Reason Code	Enter the appropriate reason code for the exception.
	The exception reason code entered determines the action to be taken on the exception, such as Mark Target Location as full, Freeze for Putaway, Suggest Alternate Deposit Location, and Allow Partial Deposit of Inventory.
	Note: If the system cannot suggest an alternate location for deposit exception, deposit in the previously suggested location.

7.6 Partially Depositing License and Non-License Plated Inventory

The Yantra 7x Mobile Application lets you partially deposit license and non-license plated inventory that you picked.

To partially deposit the picked inventory:

1. In Location, enter or scan the location where you want to partially deposit the inventory that you picked.

2. In SKU, enter or scan the item you want to deposit.

3. In Quantity, enter the item quantity you want to deposit.

4. Choose Deposit in the GUI mobile terminal to deposit the scanned item. If using the CUI mobile terminal, press the F3 key. Enter or

scan the next location to partially deposit the inventory that you picked.

5. Choose Done in the GUI mobile terminal after you finish partially depositing inventory. The system suggests you to deposit the remaining inventory. If using the CUI mobile terminal, press the F6 key. For more information about depositing SKUs, see Section 7.3.8, "Depositing SKUs".

6. Choose Back in the GUI mobile terminal. If using the CUI mobile terminal, press the F4 key. You return to the previous window.

Table 7–32   Partial Deposit Fields

Fields	
Location	Enter or scan the location where you want to partially deposit the picked inventory.
SKU	Enter or scan the item you want to deposit.
Quantity	Enter the item quantity you want to deposit.

8

Performing Retrieval or Replenishment

Yantra 7x WMS generates appropriate tasks for each retrieval or replenishment request. Yantra 7x WMS Task Management is used to execute these tasks using printed move tickets, mobile terminals, or by integrating with MHEs.

The Yantra 7x Mobile Application lets you:

- Retrieve a single pallet at a time.

- Retrieve multiple pallets to a single location.

- Retrieve multiple pallets to multiple locations.

- Retrieve multiple cases to a single location.

- Retrieve multiple cases to multiple locations.

- Retrieve a single SKU at a time.

- Retrieve a case LPN or SKU.

- Retrieve a combination of case LPN and SKU.

- Pick SKUs into cases and cases into pallets.

- Pick SKUs into a case.

The process to perform retrieval and replenishment is similar. This chapter explains how to retrieve or replenish pallets, cases, SKUs, and a combination of cases and SKUs using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

8.1 Retrieval or Replenishment Strategies

There are two strategies of performing retrieval or replenishment: System-directed and User-directed. This section explains these two strategies.

8.1.1 System-Directed Retrieval or Replenishment

In this strategy, the system drives the retrieval and provides directions on how to perform the retrieval.

For system-directed retrieval using the Yantra 7x Mobile Application,

1. From the Menu page, select Retrieval (if you are performing Retrieval) or Replenishment (if you are performing Replenishment) and press Enter. The Criteria window appears, which lets you enter the start location. For more information about entering the start location, see Section 8.1.1.1, "Specifying the Start Location for System-Directed Retrieval or Replenishment".

2. If you are retrieving a pallet or case and the system suggests to verify the source location, verify the location. For more information about verifying the source location, see Section 8.2, "Verifying the Source Location".

3. If you are retrieving a non-license plated product, or a license plated pallet or case, enter the SKU pick quantity. For more information about entering the quantity of SKU picked, see Section 8.3.1, "Picking Non-License Plated Products, License Plated Pallets and License Plated Cases".

   If you are retrieving a non-license plated product by applying the license plate, enter or scan the pre-printed license plate number. For more information about picking non-license plated products by applying license plates, see Section 8.3.2, "Picking Non-License Plated Products by Applying License Plates".

4. If the system suggests SKU pick to an inventory pallet, pick the SKU to an inventory pallet. For more information about picking SKUs to an inventory pallet, see Section 8.3.3, "Picking Products into a Pallet".

   If the system suggests SKU pick to an inventory case, pick the SKU to an inventory case. For more information about picking SKUs to an inventory case, see Section 8.3.4, "Picking Products into a Case".

5. If the system suggests a deposit task, deposit the pallet, case or SKU into the system-suggested location. For more information about depositing the picked products into the target location, see Section 8.4, "Depositing Picked Products at the Target Location".

8.1.1.1 Specifying the Start Location for System-Directed Retrieval or Replenishment

To specify the start location:

1. In Equipment #, enter or scan the equipment you have.

2. In Task List #, enter the batch number, shipment number, or container SCM.

3. In Start Location, enter the current location ID.

4. Choose Go in the GUI mobile terminal. If using CUI mobile terminal, press F3.

Table 8–1   Criteria Fields

Fields	
Equipment #	Enter or scan the equipment ID.
	The system automatically considers this to suggest tasks.
Task List #	Enter or scan the batch number, shipment number, wave number, or container SCM.
Start Location #	Enter or scan the start location.
	The system uses the location entered to suggest the next optimal task.

Table 8–2   Criteria Barcode Types

Fields	
Task List #	PickInitiation
Start Location #	Location

8.1.2 User-Directed Retrieval or Replenishment

In this strategy, the user drives the retrieval or replenishment.

For user-directed retrieval using the Yantra 7x Mobile Application,

1. From the Menu page, select Retrieval (if you are performing Retrieval) or Replenishment (if you are performing Replenishment) and press Enter. The Criteria window appears, which lets you enter the start location. For more information about entering the start location, see Section 8.1.2.1, "Specifying the Start Location for User-Directed Retrieval or Replenishment".

2. Select the task from the task list. For more information about selecting a task from a user driven task list, see Section 8.1.2.2, "Selecting a Task to Perform".

3. If you are retrieving a pallet or case and the system suggests to verify the source location, verify the location. For more information about verifying the source location, see Section 8.2, "Verifying the Source Location".

4. If you are retrieving a non-license plated product, or a license plated pallet or case, enter the SKU pick quantity. For more information about entering the quantity of SKU picked, see Section 8.3.1, "Picking Non-License Plated Products, License Plated Pallets and License Plated Cases".

   If you are retrieving a non-license plated product by applying the license plate, enter or scan the pre-printed license plate number. For more information about picking non-license plated products by applying license plates, see Section 8.3.2, "Picking Non-License Plated Products by Applying License Plates".

5. If the system suggests SKU pick to an inventory pallet, pick the SKU to an inventory pallet. For more information about picking SKUs to an inventory pallet, see Section 8.3.3, "Picking Products into a Pallet".

   If the system suggests SKU pick to an inventory case, pick the SKU to an inventory case. For more information about picking SKUs to an inventory case, see Section 8.3.4, "Picking Products into a Case".

6. If the system suggests a deposit task, deposit the pallet, case, or SKU into the system-suggested location. For more information about depositing the picked products into the target location, see Section 8.4, "Depositing Picked Products at the Target Location".

8.1.2.1 Specifying the Start Location for User-Directed Retrieval or Replenishment

To specify the start location:

1. In Equipment #, enter or scan the equipment you have.

2. In Task List #, enter the batch number, shipment number, or container SCM.

3. In Start Location, enter the current location ID.

4. Choose Go in the GUI mobile terminal. If using CUI mobile terminal, press F3.

Table 8–3   Criteria Fields

Fields	
Equipment #	Enter or scan the equipment ID.
	The system automatically considers this to suggest tasks.
Task List #	Enter or scan the batch number, shipment number, wave number, or container SCM.
Start Location #	Enter or scan the start location.
	The system uses the location entered to suggest the next optimal task.

Table 8–4   Criteria Barcode Types

Fields	
Task List #	PickInitiation
Start Location #	Location

8.1.2.2 Selecting a Task to Perform

For user-directed tasks, the Yantra 7x Mobile Application lets you view a list of tasks and select the appropriate task from the list.

To select a task:

1. From the task list, select a task and press Enter. The Location Verification window appears. For more information about verifying the source location, see Section 8.2, "Verifying the Source Location".

2. Choose Deposit in the GUI mobile terminal to deposit pallets, cases, or SKUs, if applicable. If using the CUI mobile terminal, press F8.

3. Choose Done in the GUI mobile terminal to view the Menu page. If using the CUI mobile terminal, press F4.

Table 8–5   Task List Field

Field	
TaskList	The retrieval task list details.

8.2 Verifying the Source Location

If the task is system-suggested, the Yantra 7x Mobile Application lets you view and scan the source location from which you want to retrieve pallets or cases.

To retrieve pallets or cases from a location:

1. In Location, enter or scan the source location from which to retrieve pallets or cases.

2. If the system suggests to retrieve SKU from a particular LPN, and the LPN you scan is a single SKU LPN, on choosing the Go or Deposit buttons, the system automatically suggests to deposit the SKU. For more information about depositing SKUs into the location, see Section 8.4.3, "Depositing Non-License Plated Products".

3. Choose Go in the GUI mobile terminal to enter the quantity of SKU that you picked. If using the CUI mobile terminal, press F3. For more information about entering the quantity of SKU picked, see

Section 8.3.1, "Picking Non-License Plated Products, License Plated Pallets and License Plated Cases".

4. Choose Deposit in the GUI mobile terminal to deposit the pallets, cases and SKUs. If using the CUI mobile terminal, press F8.

   - For more information about depositing pallets, see Section 8.4.1, "Depositing License Plated Pallets".

   - For more information about depositing cases, see Section 8.4.2, "Depositing License Plated Cases".

   - For more information about depositing SKUs, see Section 8.4.3, "Depositing Non-License Plated Products".

5. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 8.3.5, "Recording Pick Exceptions".

6. Choose Close Plt in the GUI mobile terminal. If using the CUI mobile terminal, press F6. The system suggests to pick next pallet, if available. If not, deposit all pallets that you picked. For more information about picking to pallets, see Section 8.3.3, "Picking Products into a Pallet".

7. Choose Close Case in the GUI mobile terminal. If using the CUI mobile terminal, press F7. The system suggests to pick the next case, if available. If not, deposit all cases that you picked. For more information about picking SKUs to an inventory case, see Section 8.3.4, "Picking Products into a Case".

Table 8–6   Retrieve Location Verification Field

Field	
Source Location	Enter or scan the retrieval location.

Table 8–7   Retrieve Location Verification Barcode Type

Field	
Source Location	Location

8.3 Picking From the Source Location

8.3.1 Picking Non-License Plated Products, License Plated Pallets and License Plated Cases

Once you scan the SKU quantity for a pick task, the system automatically displays the total SKU quantity that you picked.

Demand or Task Quantity — Inventory UOM
— SKU
— Alternate UOM
— Inventory UOM

```
Pick -    D
21INTV
21 Inches TV
20.0          EACH
[                    ]
Scan Qty      0
   PALLET    [5        ]
 + EACH      [0.0      ]
 = EACH       20.0
[Go]  [Close Case]
[Close Plt]  [Deposit]
[Exception]
```

1. In SKU, enter or scan the SKU, pallet LPN or case LPN. The total SKU quantity picked displays.

   When you scan a barcode that translates to SKU quantity greater than the demand or task quantity, the Info window appears based on barcode translation source and TaskType of the task. Choose OK. You are returned to the SKU Quantity Entry window. Table 8–10 details the barcode translation source rules.
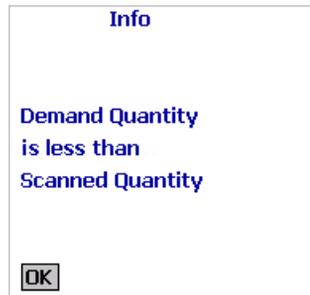
```
              Info


      Demand Quantity
      is less than
      Scanned Quantity



      OK
```

2. If you scan an LPN, and the SKU quantity in that LPN is greater than the system-suggested SKU pick task quantity:

   - In Alternate UOM, enter or scan the SKU quantity, if applicable.

   - In Inventory UOM, enter or scan the SKU quantity. For example, the basic UOM for a monitor is EACH, ROLL for metal sheets, Cubic Metres for a metal block.

3. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

   If the system detects that the location is empty after picking, the Confirmation window appears. Choose Yes if the location is empty after pick. Choose No if the location is not empty after pick.

```
            Confirmation

      Location
      2-PR-A3-B4-L1


      Is Location Empty?



      YES   NO
```

> **Note 1:**   The Confirmation window appears only when:
>
> - The Zone being picked is configured to "Confirm Location Empty After Pick".
>
> - The task type being executed is configured to "pick to equipment" and the equipment that the user specifies is modeled as a location.
>
> If picking is not done using an equipment, the inventory move from the pick location is not recorded. Hence, the location's fill code is "not empty" and the Confirmation window does not appear.
>
> **Note 2:**   Choosing No in the Confirmation window triggers an event that creates a count request.
>
> **Note 3:**   When the picked quantity is less than the quantity scanned from the barcode, an event "QTY_ TRANSLATION_OVERRIDE" associated with the "BARCODE_SCAN" transaction is raised.
>
> The XML published by the "QTY_TRANSLATION_ OVERRIDE" event is:
>
> <BarCode BarCodeData="" BarCodeType="" BarCodeTranslationSource="" TranslatedQuantity="" QuantityUsed="" EquipmentId="" LocationId="" />.

- If you scan a pallet or case LPN, the system suggests the next retrieval task, if available. Select the task and verify the location. For more information about verifying the retrieval location, see Section 8.2, "Verifying the Source Location".

- If you scan a SKU,

  - If the SKU is tag tracked, capture the tag details. For more information about capturing the tag number, see Section 8.3.1.1, "Capturing the Tag Number".

  - If the SKU is time sensitive, capture the expiration date. For more information about capturing the expiration date, see Section 8.3.1.2, "Capturing the Expiration Date".

— If the SKU is serial tracked or requires outbound serial tracking, capture the serial number. For more information about capturing the serial number, see Section 8.3.1.3, "Capturing the Serial Number".

Note: If the item scanned has inventory information such as tag number, serial number, expiration date, quantity from the barcode translation, you will not be prompted to capture the inventory information.

For example: If a tag tracked item with lot number "L" has tag information from the barcode translation that the item belongs to lot "L", the Tag Entry window will not be displayed.

---

4. Choose Close Case in the GUI mobile terminal to close an open case. If using the CUI mobile terminal, press F7. The system suggests to pick SKUs to an inventory case, if available. For more information about picking a SKU to an inventory case, see Section 8.3.4, "Picking Products into a Case".

5. Choose Close Plt in the GUI mobile terminal to close an open pallet. If using the CUI mobile terminal, press F6. The system suggests to pick to pallet, if available. For more information about picking pallets, see Section 8.3.3, "Picking Products into a Pallet".

6. Choose Deposit in the GUI mobile terminal to deposit all pallets, cases or SKUs. If using the CUI mobile terminal, press F8.

   • For more information about depositing pallets, see Section 8.4.1, "Depositing License Plated Pallets".

   • For more information about depositing cases, see Section 8.4.2, "Depositing License Plated Cases".

   • For more information about depositing SKUs, see Section 8.4.3, "Depositing Non-License Plated Products".

7. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 8.3.5, "Recording Pick Exceptions".

Table 8–8   SKU Quantity Entry Fields

Fields	
SKU	Enter or scan a SKU, pallet, or case.
	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item identifier of the item to retrieve displays. Otherwise, the item identifier of the item to retrieve displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.
Operational UOM	An operational UOM corresponding to the item is displayed.
	The quantity corresponding to the operation UOM is populated.
	The operational UOM is not visible if the task quantity is less than the alternate UOM's conversion quantity or when the alternate UOM is not specified for the SKU.
Inventory UOM	The inventory UOM for the item is displayed.
	The quantity corresponding to the inventory UOM is populated.

Table 8–9   SKU Quantity Entry Barcode Type

Field	
SKU	ItemOrInventoryContainer

Table 8–10   Barcode Translation Source Rules

Barcode Translation Source	TaskType Allows Overpick	Is Info window Displayed	Total quantity displayed in Alternate UOM and Inventory UOM fields
Pallet	N	N	Demand
Pallet	Y	N	Demand

Table 8–10   Barcode Translation Source Rules

Barcode Translation Source	TaskType Allows Overpick	Is Info window Displayed	Total quantity displayed in Alternate UOM and Inventory UOM fields
Case	N	Y	Demand
Case	Y	N	Scanned
Others	N	Y	Demand
Others	Y	N	Scanned

8.3.1.1 Capturing the Tag Number

> **Note:**   You can enter the tag attributes:
>
> • If the node retrieving inventory is configured to capture the tag attributes in all operations performed within the node.
>
> • For shipments that does not require packing, you can capture the tag attributes if the node is configured to capture the tag attributes during shipping based on the buyer's inbound compliance.
>
> For more information about capturing the tag attributes, refer to the *Yantra 7x Platform Configuration Guide*.

The Yantra 7x Mobile Application lets you capture the tag numbers, such as the Lot # and the Batch #, for a tag tracked SKU.

To capture the tag number:

1.   In Lot #, enter or scan the tag number.

```
Pick -    RTT-1
SKU
BOX
Lot #

[                            ]

  [ Go ]   [ Exception ]
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

   - If the SKU is time sensitive, capture the expiration date. For more information about capturing the expiration date, see Section 8.3.1.2, "Capturing the Expiration Date".

   - If the SKU is serial tracked or requires outbound serial tracking, capture the serial number. For more information about capturing the serial number, see Section 8.3.1.3, "Capturing the Serial Number".

   - If the SKU is not time sensitive and not serial tracked, enter the SKU quantity. For more information about entering the quantity of SKU picked, see Section 8.3.1, "Picking Non-License Plated Products, License Plated Pallets and License Plated Cases".

3. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 8.3.5, "Recording Pick Exceptions".

Table 8–11   Tag Number Entry Fields

Fields	
SKU	The item is suggested.
Lot #	The lot number associated with tag tracked SKU.

8.3.1.2 Capturing the Expiration Date

The Yantra 7x Mobile Application lets you capture the expiration date for a time sensitive SKU.

To capture the expiration date:

1. In Expiration Date, enter or scan the SKU expiration date.

```
Pick -    RTT-1

SKU
KEYBOARD
Expiration Date
▌

 Go   Exception
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If the SKU is serial tracked, enter or scan the serial number. For more information about capturing the serial number, see Section 8.3.1.3, "Capturing the Serial Number".

- If the SKU is not tracked by serial number, enter the SKU quantity. For more information about entering the quantity of SKU picked, see Section 8.3.1, "Picking Non-License Plated Products, License Plated Pallets and License Plated Cases".

3. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 8.3.5, "Recording Pick Exceptions".

Table 8–12   Expiration Date Versus Ship By Date Fields

Fields	
SKU	The item corresponding to the case suggested.
Expiration Date	Enter or scan the expiration date.

8.3.1.3 Capturing the Serial Number

The Yantra 7x Mobile Application lets you capture the serial number for a serial tracked SKU.

To capture the serial number:

1. In Serial #, enter or scan the serial number of the item.
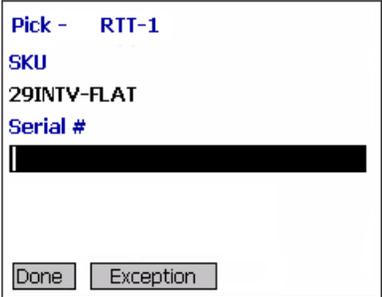
2. Choose Done in the GUI mobile terminal to retrieve next SKU. If using the CUI mobile terminal, press F8. For more information about picking to an inventory case, see Section 8.3.4, "Picking Products into a Case".

3. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 8.3.5, "Recording Pick Exceptions".

Table 8–13   Serial Number Entry Fields

Fields	
SKU	The item corresponding to the case suggested.
Serial #	Enter or scan the serial number.

8.3.2 Picking Non-License Plated Products by Applying License Plates

The mobile terminal also lets you pick non-license plated products by applying pre-printed license plated labels on containers and picking into them.

Demand or Task Quantity ———————

——————— Inventory UOM

——————— SKU

——————— Alternate UOM

——————— Inventory UOM

```
Pick -   D
21INTV
21 Inches TV
20.0          EACH
█
Scan Qty     0
   PALLET    5
 + EACH      0.0
 = EACH      20.0
[Go]  [Close Case]
[Close Plt]  [Deposit]
[Exception]
```

1. In SKU, enter or scan the pre-printed license plate label. The system automatically displays the quantity to pick into the container.

2. If the SKU quantity to be picked is different from the system-suggested SKU pick task quantity:

   - In Alternate UOM, enter or scan the SKU quantity, if applicable.

   - In Inventory UOM, enter or scan the SKU quantity. For example, the basic UOM for a monitor is EACH, ROLL for metal sheets, Cubic Metres for a metal block.

3. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

   If the system detects that the location is empty after picking, a confirmation dialog box appears. Choose Yes if the location is empty after pick. Choose No if the location is not empty after pick.

Confirmation

Location
2-PR-A3-B4-L1

Is Location Empty?

[YES] [NO]

Note 1:   The Confirmation window appears only when:

- The Zone being picked is configured to "Confirm Location Empty After Pick".

- The task type being executed is configured to "pick to equipment" and the equipment that the user specifies is modeled as a location.

If picking is not done using an equipment, the inventory move from the pick location is not recorded. Hence, the location's fill code is "not empty" and the Confirmation window does not appear.

Note 2:   Choosing No in the confirmation dialog box triggers an event that creates a count request.

Note 3:   When the picked quantity is less than the quantity scanned from the barcode, an event "QTY_ TRANSLATION_OVERRIDE" associated with the "BARCODE_SCAN" transaction is raised.

The XML published by the "QTY_TRANSLATION_ OVERRIDE" event is:

<BarCode BarCodeData="" BarCodeType="" BarCodeTranslationSource="" TranslatedQuantity="" QuantityUsed="" EquipmentId="" LocationId="" />.

The system suggests the next retrieval task, if available. Select the task and verify the location. For more information about verifying the source location, see Section 8.2, "Verifying the Source Location" on page 85.

4. Choose Close Case in the GUI mobile terminal to close an open case. If using the CUI mobile terminal, press F7. The system suggests to pick SKUs to an inventory case, if available. For more information about picking a SKU to an inventory case, see Section 8.3.4, "Picking Products into a Case".

5. Choose Close Plt in the GUI mobile terminal to close an open pallet. If using the CUI mobile terminal, press F6. The system suggests to pick to pallet, if available. For more information about picking pallets, see Section 8.3.3, "Picking Products into a Pallet".

6. Choose Deposit in the GUI mobile terminal to deposit all pallets or cases. If using the CUI mobile terminal, press F8.

   - For more information about depositing pallets, see Section 8.4.1, "Depositing License Plated Pallets".

   - For more information about depositing cases, see Section 8.4.2, "Depositing License Plated Cases".

7. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 8.3.5, "Recording Pick Exceptions".

Table 8–14   SKU Quantity Entry Fields

Fields	
SKU	Enter or scan the pre-printed license plated label for the new license plate.
	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item's identifier displays. Otherwise, the item's identifier displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.
Operational UOM	An operational UOM corresponding to the item is displayed.
	The quantity corresponding to the operation UOM is populated.
	The operational UOM is not visible if the task quantity is less than the alternate UOM's conversion quantity or when the alternate UOM is not specified for the SKU.
Inventory UOM	The inventory UOM for the item is displayed.
	The quantity corresponding to the inventory UOM is populated.

Table 8–15   SKU Quantity Entry Barcode Type

Field	
SKU	ItemOrInventoryContainer

Table 8–16   Barcode Translation Source Rules

Barcode Translation Source	TaskType Allows Overpick	Is Info window Displayed	Total quantity displayed in Alternate UOM and Inventory UOM fields
Pallet	N	N	Demand
Pallet	Y	N	Demand

Table 8–16   Barcode Translation Source Rules

Barcode Translation Source	TaskType Allows Overpick	Is Info window Displayed	Total quantity displayed in Alternate UOM and Inventory UOM fields
Case	N	Y	Demand
Case	Y	N	Scanned
Others	N	Y	Demand
Others	Y	N	Scanned

8.3.3 Picking Products into a Pallet

The Yantra 7x Mobile Application lets you enter or scan the pallet to pick to.

To pick to a pallet:

1. In Pallet ID, enter or scan the pallet LPN.

```
Pick -    RTT-1
Pallet ID
█████████████████

Go   Deposit
```
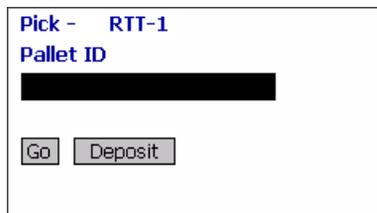
2. Choose Go or press Tab in the GUI mobile terminal. If using the CUI mobile terminal, press F3. In pallet ID, scan the pallet LPN. The Location Verification window appears. For more information about verifying the retrieval location, see Section 8.2, "Verifying the Source Location".

3. Choose Deposit in the GUI mobile terminal to deposit the pallet. For more information about depositing pallets into a location, see Section 8.4.1, "Depositing License Plated Pallets". If using the CUI mobile terminal, press F8.

Table 8–17   Pick to Pallet Fields

Fields	
Pallet ID	Enter or scan the pallet LPN.

Table 8–18   Pick to Pallet Barcode Code Type

Field	
Pallet ID	InventoryPallet

8.3.4 Picking Products into a Case

To pick a SKU to a case:

1. In Case ID, enter or scan the Case LPN.
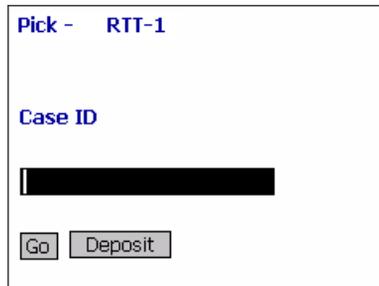
2. Choose Go in the GUI mobile terminal to verify the location for retrieving a case. If using the CUI mobile terminal, press F3. For more information about verifying the retrieval location, see Section 8.2, "Verifying the Source Location".

3. Choose Deposit in the GUI mobile terminal to deposit the SKUs that you picked. If using the CUI mobile terminal, press F8. For more information about depositing SKUs into a location, see Section 8.4.3, "Depositing Non-License Plated Products".

- If the system suggests pallet deposit task, deposit a pallet. For more information about depositing pallets, see Section 8.4.1, "Depositing License Plated Pallets".

- If the system suggests case deposit task, deposit a case. For more information about depositing cases, see Section 8.4.2, "Depositing License Plated Cases".

- If the system suggests SKU deposit task, deposit an SKU. For more information about depositing SKUs, see Section 8.4.3, "Depositing Non-License Plated Products".

Table 8–19 SKU Pick to Inventory Case Field

Field	
Case ID	Enter or scan the case LPN.

Table 8–20 SKU Pick to Inventory Case Barcode Type

Field	
Case ID	InventoryCase

8.3.5 Recording Pick Exceptions

In the Yantra 7x Mobile Application, you can enter or scan pick exceptions while picking inventory.

To record pick exceptions:

1. In Reason Code, enter or scan the reason code for the pick exception.
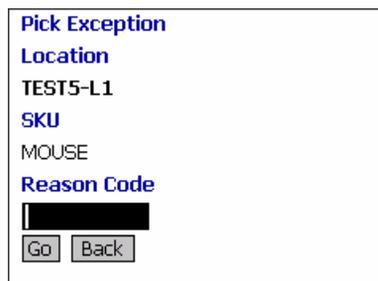
2. Choose Go in the GUI mobile terminal to record pick exceptions. If using CUI mobile terminal, press the F3 key.

3. Choose Back in the GUI mobile terminal. You are returned to the previous window. If using CUI mobile terminal, press the F4 key.

> **Note:** You can record skip exceptions to skip a task and move on to the next task.

Table 8–21   Pick Exception Fields

Fields	
Location	The location for which the exception is recorded.
Pallet/Case/SKU	The pallet LPN, case LPN, or SKU for which exception is recorded.
Reason Code	Enter the appropriate reason code for the exception. The exception reason code entered determines the action to be taken on the exception, such as Mark Target Location as full, Freeze for Putaway and Suggest Alternate Deposit Location **Note:** If the system cannot suggest an alternate location for deposit exception, deposit in the previously suggested location.

8.4 Depositing Picked Products at the Target Location

This section describes how to deposit the picked pallets and cases at the target location.

8.4.1 Depositing License Plated Pallets

The Yantra 7x Mobile Application lets you deposit pallets into the system-suggested location. You can override the system-suggested location and scan location to deposit the cases. A warning message appears. If the system does not suggest any deposit location, scan the location into which you want to deposit the pallets.

To deposit pallets that you picked:

1. In Pallet ID, enter or scan the pallet LPN, if you want to deposit a different pallet from the system-suggested pallet.

2. In Location, enter or scan the deposit location for depositing the pallet.

```
Deposit -    RTT-1
Pallet ID
00100000000000000001
████████████████████


Location
1-PR-A1-B10-L1
[_____]
[Go]  [Deposit All]
  [Exception]  [Drop Offs]
```

3. Choose Go in the GUI mobile terminal to deposit the pallets. If using the CUI mobile terminal, press F3. On depositing all pallets, the system suggests next retrieval task, if available.

4. Choose Deposit All in the GUI mobile terminal to deposit all pallets that you picked into the system-suggested location. If using the CUI mobile terminal, press F6.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press F4. For more information about recording deposit exceptions, see Section 8.5, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal view a list of system-suggested drop off locations. If using the CUI mobile terminal, press F7. For more information about viewing a list of drop-off locations, see Section 8.4.4, "Selecting a Drop Off Location to Deposit".

> **Note:** The system creates a second step move task only when at least one of the following two conditions are met:
>
> - When the suggested and the actual deposit locations have different location types.
>
> - If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 8–22   Pallet Deposit Instruction Fields

Fields	
Pallet ID	Pallet LPN to deposit is suggested.
	Enter or scan the pallet LPN.
	If you enter a different pallet LPN, the system allows you to deposit only that pallet LPN which you picked in this trip.
Drop off Location	The optimal drop off location populated by the system.
	This value is shown only if task is being executed through a drop-off location.
Location	The deposit location is displayed.
	Enter or scan the drop off location.

Table 8–23   Pallet Deposit Barcode Types

Fields	
Pallet ID	InventoryPallet
Location	Location

8.4.2 Depositing License Plated Cases

The Yantra 7x Mobile Application lets you deposit cases into the system-suggested location. You can override the system-suggested location and scan location to deposit the cases. A warning message appears. If the system does not suggest any deposit location, scan the location into which you want to deposit the cases.

To deposit cases that you picked:

1. In Case ID, enter or scan the Case LPN, if you want to deposit a different case from the system-suggested case.

2. In Location, enter or scan the deposit location for depositing the case.

```
Deposit -    RTT-1
Case ID
00000445450000000101
[                        ]
Drop Off
TEST4-L1
Location
TEST4-L1
[■■■■■■■■■■■■■■■■]
[Go]  [ Deposit All ]
[ Exception ]  [ Drop Offs ]
```

3. Choose Go in the GUI mobile terminal to deposit the case into the location. If using the CUI mobile terminal, press F3. The system suggests next task, if available.

4. Choose Deposit All in the GUI mobile terminal to deposit all cases that you picked into the system-suggested location, or scan a new deposit location. If using the CUI mobile terminal, press F6.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press F4. For more information about recording deposit exceptions, see Section 8.5, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal to view a list of system-suggested drop off locations. If using the CUI mobile terminal, press F7. For more information about viewing a list of drop

off locations, see Section 8.4.4, "Selecting a Drop Off Location to Deposit".

> **Note:** The system creates a second step move task only when at least one of the following two conditions are met:
>
> - When the suggested and the actual deposit locations have different location types.
>
> - If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 8–24   Case Deposit Instruction Fields

Fields	
Case ID	Case LPN to deposit is suggested.
	Enter or scan the case LPN.
	If different case LPN is entered, deposit is allowed only if case LPN has been picked in this trip.
Drop-off	The optimal drop off location populated by the system.
	This value is displayed only if task is being executed through a drop-off location.
Location/Container	Enter or scan the location or container.
	If the location is scanned, the contents are dropped off into the location.
	If container LPN is scanned, the contents are placed into the container LPN.

Table 8–25   Case Deposit Barcode Types

Fields	
Case ID	InventoryCase
Location/Container	LocationOr
	Inventory
	Container

8.4.3 Depositing Non-License Plated Products

The system displays the SKU deposit instructions to view before depositing the SKUs.

To deposit a SKU:

1. In SKU, enter or scan the SKU to deposit.

2. In Location, enter or scan the deposit location.

3. Choose Go in the GUI mobile terminal to deposit the SKUs. If using the CUI mobile terminal, press F3. On depositing all SKUs, the system suggests next retrieval task, if available.

4. Choose Deposit All in the GUI mobile terminal to deposit all SKUs. If using the CUI mobile terminal, press F6.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press F4. For more

information about recording deposit exceptions, see Section 8.5, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal to view a list of system-suggested drop off locations. If using the CUI mobile terminal, press F7. For more information about viewing a list of drop off locations, see Section 8.4.4, "Selecting a Drop Off Location to Deposit".

> **Note:** The system creates a second step move task only when at least one of the following two conditions are met:
>
> • When the suggested and the actual deposit locations have different location types.
>
> • If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 8–26   SKU Deposit Instruction Fields

Fields	
SKU	Enter or scan the item to deposit.
	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item identifier of the item to deposit displays. Otherwise, the item identifier of the item to deposit displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.
Quantity	The quantity to deposit in inventory UOM is displayed.
Location/Container	Enter or scan the location or container.
	If the location is scanned, the contents are dropped off into the location.
	If container LPN is scanned, the contents are placed into the container LPN.

8.4.4 Selecting a Drop Off Location to Deposit

The Mobile Terminal lets you view a list of system-suggested drop off locations to deposit pallets, cases, or SKUs. To return to the previous window, choose Prev View in the GUI mobile terminal. If using CUI mobile terminal, press the F7 key.

```
┌──────────────────────────────────────┐
│ ┌──────────────────────────────┐     │
│ │ STAGING                      │     │
│ ├──┬───────────────┬──────────┬─┤    │
│ │◀ │      ▥        │          │▶│    │
│ └──┴───────────────┴──────────┴─┘    │
│                                      │
│                                      │
│                                      │
│                                      │
│  ┌──────────────┐                    │
│  │  Prev View   │                    │
│  └──────────────┘                    │
└──────────────────────────────────────┘
```

8.5 Recording Deposit Exceptions

The Mobile Terminal lets you record deposit exceptions while depositing pallets, cases, or SKUs into a location.

To record deposit exceptions:

1. In Reason Code, enter or scan the reason code for the deposit exception.

```
┌──────────────────────────────────────┐
│ Exception                            │
│ Location                             │
│ D1                                   │
│ SKU                                  │
│ MOUSE                                │
│ Reason Code                          │
│ ┃▌▌▌▌▌▌▌▌▌▌▌▌┃                        │
│                                      │
│ ┌────┐ ┌──────┐                      │
│ │ Go │ │ Back │                      │
│ └────┘ └──────┘                      │
└──────────────────────────────────────┘
```

2. Choose Go in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press the F3 key.

   If the reason code is configured to allow partial depositing of the picked inventory, then you can deposit a portion of the picked inventory. For more information about partially depositing the picked inventory, see Section 8.6, "Partially Depositing License and Non-License Plated Inventory".

3. To return to the previous window, choose Back in the GUI mobile terminal. If using the CUI mobile terminal, press the F4 key.

Table 8–27   Deposit Exception Fields

Fields	
Location	The location for which the deposit exception is recorded.
Pallet/Case/SKU	The pallet LPN, case LPN, or SKU for which the deposit exception is recorded.
Reason Code	Enter the appropriate reason code for the exception.
	The exception reason code entered determines the action to be taken on the exception, such as Mark Target Location as full, Freeze for Putaway, Suggest Alternate Deposit Location, and Allow Partial Deposit of Inventory.
	Note: If the system cannot suggest an alternate location for deposit exception, deposit in the previously suggested location.

8.6 Partially Depositing License and Non-License Plated Inventory

The Yantra 7x Mobile Application lets you partially deposit license and non-license plated inventory that you picked.

To partially deposit the picked inventory:

1. In Location, enter or scan the location where you want to partially deposit the inventory that you picked.

2. In CaseID/SKU/Serial#, enter or scan the item you want to deposit.

3. In Quantity, enter the item quantity you want to deposit.

4. Choose Deposit in the GUI mobile terminal to deposit the scanned item. If using the CUI mobile terminal, press the F3 key. Enter or scan the next location to partially deposit the inventory that you picked.

5. Choose Done in the GUI mobile terminal after you finish partially depositing the inventory. The system suggests you to deposit the remaining inventory. If using the CUI mobile terminal, press the F6 key. For more information about depositing SKUs, see Section 8.4.3, "Depositing Non-License Plated Products".

6. Choose Back in the GUI mobile terminal. If using the CUI mobile terminal, press the F4 key. You return to the previous window.

Table 8–28   Partial Deposit Fields

Fields	
Location	Enter or scan the location to partially deposit the picked inventory.
SKU	Enter or scan the item you want to deposit.
Quantity	Enter the item quantity you want to deposit.

9

Performing Count

The Yantra 7x Mobile Application provides the ability to perform count operations at a node. Using the Yantra 7x Mobile Application screens, you can capture count details and resolve variances generated from the counts.

The Yantra 7x Mobile Application lets you:

- Count pallets.

- Count cases in a pallet or location.

- Count SKUs in a case or pallet or location.

- Count serial tracked items in a case or pallet or location.

> **Note:** The navigation process and functions, especially the screens, are similar between a GUI and CUI Mobile Terminal. Any difference in the process or function has been specifically pointed out in the documentation.

This chapter explains how to use the mobile terminal for performing count tasks.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

9.1 Count Strategies

The execution of Count tasks may be either system-directed or user-directed.

9.1.1 System-Directed Count Tasks

Here, the system suggests the count tasks to perform. Scan the location and a pallet or case to confirm the acceptance of the count task. For more information about accepting count tasks, see Section 9.3.1, "Performing a System Driven Count Task".

9.1.2 User-Directed Count Tasks

Here, the user chooses the count tasks to perform. For more information about choosing count tasks, see Section 9.2, "Choosing a Count Task".

After choosing a count task, scan the location and a pallet or case to confirm the acceptance of the count task. For more information about accepting count tasks, see Section 9.3.2, "Performing a User Driven Count Task".

9.2 Choosing a Count Task

The Yantra 7x Mobile Application lets you choose a count task.

To choose a count task:

1. From the Menu page, select Count and press Enter. The Count Task screen appears.

Count Task

Action
Accept Tasks
Proceed with Count
Tasks to Complete
Tasks to Reject

◀   ▮▮▮   ▶

Done
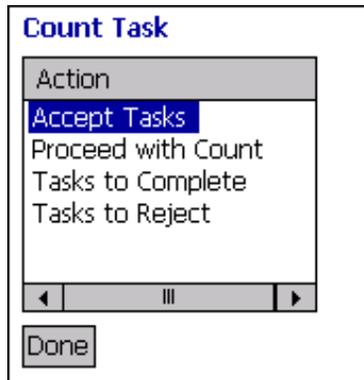
2. Choose Accept Tasks in the GUI mobile terminal, to view count tasks that are open and awaiting acceptance. If using the CUI mobile terminal, select the action and press ENTER. For more information about viewing count tasks that are open and awaiting acceptance, see Section 9.2.1, "Viewing Assigned Count Tasks to Accept".

3. Choose Proceed with Count in the GUI mobile terminal, to view count tasks that have been accepted. If using the CUI mobile terminal, select the action and press ENTER. For more information about viewing accepted count tasks, see Section 9.2.2, "Viewing Accepted Count Tasks".

4. Choose Tasks To Complete in the GUI mobile terminal, to view count tasks that are either accepted or in progress. If using the CUI mobile terminal, select the action and press ENTER. For more information about viewing count tasks that are either accepted or in progress, see Section 9.2.3, "Viewing Count Tasks to Complete".

5. Choose Tasks To Reject in the GUI mobile terminal, to reject count tasks that have been already accepted. If using the CUI mobile terminal, select the action and press ENTER. For more information about rejecting accepted count tasks, see Section 9.4, "Rejecting Accidentally Accepted Count Tasks".

6. Choose Done in the GUI mobile terminal to return to the Main Menu. If using the CUI mobile terminal, press F2.

9.2.1 Viewing Assigned Count Tasks to Accept

The Yantra 7x Mobile Application lets you accept the count tasks assigned to you.
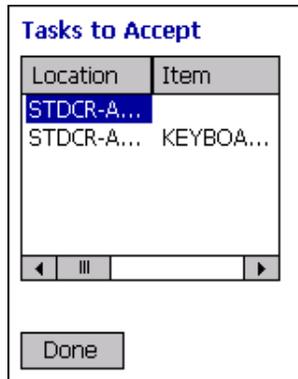
To accept the count tasks assigned to you:

1. Choose a task in the GUI mobile terminal to accept it. If using the CUI mobile terminal, choose the task and press ENTER.The chosen task is removed from this screen, and now appears in the Tasks To Count Screen. For more information about viewing accepted count tasks and performing a count task, see Section 9.2.2, "Viewing Accepted Count Tasks".

2. Choose Done in the GUI mobile terminal to return to the Count Task screen. If using the CUI mobile terminal, press F2. For more information about choosing a count task, see Section 9.2, "Choosing a Count Task".

9.2.2 Viewing Accepted Count Tasks

The Yantra 7x Mobile Application lets you view your accepted count tasks and start performing a count.

Tasks to Count

Location	Item
STDCR-A...	
STDCR-A...	KEYBOA...

◄ | Ⅲ | ►

Done
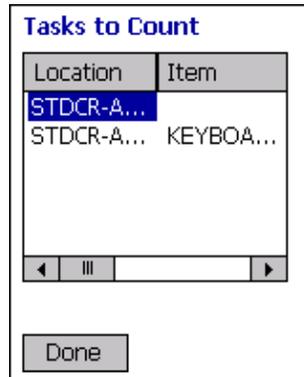
To view your accepted count tasks and start performing a count:

1. Choose a count task in the GUI mobile terminal to start performing the count. If using the CUI mobile terminal, choose the task and press ENTER. On choosing a task, the Count Entry window appears. For more information about accepting a count tasks, see Section 9.3.2, "Performing a User Driven Count Task".

2. Choose Done in the GUI mobile terminal to return to the Count Task screen. If using the CUI mobile terminal, press F2. For more information about choosing a count tasks, see Section 9.2, "Choosing a Count Task".

9.2.3 Viewing Count Tasks to Complete

The Yantra 7x Mobile Application lets you view the count tasks that can be completed.
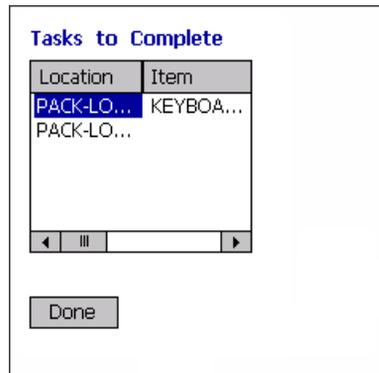
To view the count tasks that can be completed:

1. Choose a count task in the GUI mobile terminal to complete the count. If using the CUI mobile terminal, choose the task and press ENTER. You can view the item count quantity. For more information about viewing the count quantity, see Section 9.3.4.1, "Viewing the Variance for Count Tasks that are at an Item/UOM Level".

2. Choose Done in the GUI mobile terminal to return to the Count Task screen. If using the CUI mobile terminal, press F2. For more information about choosing a count task, see Section 9.2, "Choosing a Count Task".

9.3 Performing a Count Task

This section explains how to perform different count tasks, such as accepting a count task and entering count task details.

The different steps in performing system driven and user driven count tasks are elaborated here.

9.3.1 Performing a System Driven Count Task

To perform a system driven count task:

1. From the Menu page, select Count and press Enter. The Count Entry window appears.

```
        COUNT
   STDCR-A3-B1-L1

   STDCR-A3-B1-L1
   Item ID
   KEYBOARD


   Pallet/Case


   [                    ]
   [Go]  [ Skip ]   [ Complete ]
```

2. Enter or scan the location, if applicable.

3. In Pallet/Case, enter or scan the case LPN, if applicable.

4. Choose Go in the GUI mobile terminal to record the SKU information. If using the CUI mobile terminal, press F3. For more information about recording SKU information, see Section 9.3.3.3, "Entering Count Task Details".

   - If the count operation is at a location level, and if the system detects multiple enterprises in a location, select an enterprise for the count operation. For more information about selecting an enterprise for the count operation, see Section 9.3.3.1, "Entering an Enterprise".

   - If the count operation is at a pallet LPN level, the system suggests to scan the next pallet LPN, if available.

   - The Case/Item Entry window appears. If you scan a case, the case is considered as a child of the first LPN scanned. For more information about count task details, see Section 9.3.3.3, "Entering Count Task Details".

5. Choose Complete in the GUI mobile terminal to indicate the completion of a count task. If using the CUI mobile terminal, press F8. On complete, the count quantity is displayed. For more information about viewing count quantity, see Section 9.3.4.1, "Viewing the Variance for Count Tasks that are at an Item/UOM Level".

6. Choose Empty in the GUI mobile terminal, to indicate the location does not have any inventory. If using the CUI mobile terminal, press F7.

> **Note:** 'Complete' and 'Empty' are mutually exclusive buttons. Initially the Empty appears before any counts are performed. When a count task has been initiated the Empty button is no longer displayed, and the Complete button is now displayed.

7. Choose Skip in the GUI mobile terminal to skip the current task and perform the next count task in the same location, if available. If there are no count tasks available in the same location, the system suggests to perform the count task in the next location. If using the CUI mobile terminal, press F8.

Table 9–1   Count Task Entry Fields

Fields	
Location	The location to count is automatically populated by the system. Enter or scan the location you want to count, if applicable.
Item ID/Item Category	The item ID or item categories to be counted. A maximum of three item categories may be displayed based on the task suggested.
Pallet/Case	The pallet or case LPN expected to be counted populates, if applicable. Enter or scan the pallet or case LPN at the location, if applicable.

9.3.2 Performing a User Driven Count Task

To perform a user driven count task:

1. The details for the selected Count Task are displayed in the Count window.

```
          COUNT
    STDCR-A3-B1-L1
    ┌──────────────────────┐
    │ STDCR-A3-B1-L1       │
    └──────────────────────┘
    Item ID

    KEYBOARD



    Pallet/Case


    ┌──────────────────────┐
    │                      │
    └──────────────────────┘
    ┌────┐ ┌───────┐
    │ Go │ │ Tasks │
    └────┘ └───────┘
```

2. Enter or scan the location, if applicable.

3. In Pallet/Case, enter or scan the case LPN, if applicable.

4. Choose Go in the GUI mobile terminal to record the SKU information. If using the CUI mobile terminal, press F3. For more information about recording SKU information, see Section 9.3.3.3, "Entering Count Task Details".

- If multiple enterprises exist for an item, select an enterprise. For more information about selecting an enterprise for the count operation, see Section 9.3.3.2, "Selecting an Enterprise".

- If a single enterprise exists for the item, enter the enterprise. For more information about entering an enterprise, see Section 9.3.3.1, "Entering an Enterprise".

- If the count operation is at a pallet LPN level, the system suggests to scan the next pallet LPN, if available.

- The Case/Item Entry window appears. If you scan a case, the case is considered as a child of the first LPN scanned. For more information about count task details, see Section 9.3.3.3, "Entering Count Task Details".

5. Choose Tasks in the GUI mobile terminal, to view the Count Task screen. If using the CUI mobile terminal, press F8. For more information about choosing a count task, see Section 9.2, "Choosing a Count Task".

> **Note:** During a User Driven Count Task, you are automatically switched between tasks when you scan inventory belonging to one of the other accepted tasks. This occurs only when you have accepted multiple tasks.

Table 9–2   Count Task Entry Fields

Fields	
Location	The location to count is automatically populated by the system. Enter or scan the location you want to count, if applicable.
Item ID/Item Category	The item ID or item categories to be counted. A maximum of three item categories may be displayed based on the task suggested.
Pallet/Case	The pallet or case LPN expected to be counted populates, if applicable. Enter or scan the pallet or case LPN at the location, if applicable.

9.3.3 Entering Inventory Count Information

This section describes how to enter the various inventory count information needed for a count task.

9.3.3.1 Entering an Enterprise

To enter an enterprise for the count operation:

1. In Enterprise, enter or scan the enterprise.

```
              COUNT
Node
TECH
Location
STDCR-A3-B1-L1
Enterprise
███████████████████


Go
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, use F3. The selected enterprise will be considered for the count operation. For more information about entering count task details, see Section 9.3.3.3, "Entering Count Task Details".

Table 9–3 Enterprise Entry Fields

Fields	
Node	The node where the count operation is performed.
Location	The location to count is automatically populated by the system.
Enterprise	Enter or scan the enterprise to use for count operation.

9.3.3.2 Selecting an Enterprise

1. Select the enterprise from the list.

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, use F3. The selected enterprise will be considered for the count operation. For more information about entering count task details, see Section 9.3.3.3, "Entering Count Task Details".

Table 9–4   Enterprise Entry Fields

Fields	
Node	The node where the count operation is performed.
Location	The location to count is automatically populated by the system.
Enterprise	Enter or scan the enterprise to use for count operation.

9.3.3.3 Entering Count Task Details

To enter or scan the case LPNs or items at the location:

1. In Item ID/Case ID, enter or scan the Item ID or case LPN.

```
          COUNT
Location
STDCR-A3-B1-L1
Pallet

Item ID/Case ID
KEYBOARD

          Done
```

Note: If the Item ID or Case LPN scanned has inventory information such as tag number, serial number, expiration date, quantity from the barcode translation, you will not be prompted to capture the inventory information. Typically, a 2D barcode provides such inventory information on translation.

For example: If a tag-tracked item with lot number "L" has tag information from the barcode translation that the item belongs to lot "L", the Tag Entry window will not be displayed.

Note: If you scan a case or pallet in the previous screen, and later scan a case, the previously scanned case or pallet is considered as the parent LPN.

---

2. Choose Done in the GUI mobile terminal. If using the CUI mobile terminal, press F8.

   - Scan or enter the enterprise to which the item belongs. For more information on entering enterprise, refer to Section 9.3.3.4, "Entering an Enterprise".

   - When you scan an item, if the inventory UOM automatically populates, enter the item quantity. For more information about

entering the item's quantity, see Section 9.3.3.7, "Entering the Item Quantity".

- If system detects multiple UOMs for an item, select the Inventory UOM. For more information about selecting the UOM of the inventory, see Section 9.3.3.6, "Entering the Inventory UOM".

- When you scan a case LPN, the screen refreshes and you can scan the next item or case LPN.

    - If you are performing a manual count, enter or scan the criteria to initiate the next count task. For more information about performing manual count, see Chapter 18, "Performing Manual Count".

    - Otherwise, accept the next count task. For more information about accepting a count task, see Section 9.3.2, "Performing a User Driven Count Task".

Table 9–5   Count Task Details Entry Fields

Fields	
Location	The location to count is automatically populated by the system.
Pallet	The LPN associated with the pallet populates if the count task is at the pallet level. You can scan a pallet LPN corresponding to the SKU.
Item ID/Case ID	Enter or scan the case LPN or the item ID in the location.

9.3.3.4 Entering an Enterprise

To enter an enterprise for the count operation:

1. In Enterprise, enter or scan the enterprise.

```
            COUNT
Node
TECH
Location
STDCR-A3-B1-L1
Enterprise
████████████████

 Go
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, use F3. The selected enterprise will be considered for the count operation. For more information about entering count task details, see Section 9.3.3.3, "Entering Count Task Details".

Table 9–6   Enterprise Entry Fields

Fields	
Node	The node where the count operation is performed.
Location	The location to count is automatically populated by the system.
Enterprise	Enter or scan the enterprise to use for count operation.

9.3.3.5 Selecting an Enterprise

1. Select the enterprise from the list.

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, use F3. The selected enterprise will be considered for the count operation. For more information about entering count task details, see Section 9.3.3.3, "Entering Count Task Details".

Table 9–7 Enterprise Entry Fields

Fields	
Node	The node where the count operation is performed.
Location	The location to count is automatically populated by the system.
Enterprise	Enter or scan the enterprise to use for count operation.

9.3.3.6 Entering the Inventory UOM

To enter the item's inventory UOM:

1. In Inventory UOM, enter or scan the appropriate inventory UOM for a SKU.

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The system considers this inventory UOM for the count operation.

Table 9–8   Inventory UOM Entry Fields

Fields	
SKU	The item ID.
Description	The item's description.
Inventory UOMs	Enter the item's unit of measure.

9.3.3.7 Entering the Item Quantity

To enter the quantity of the item:

1. In Quantity, enter or scan the item quantity.

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. You can count multiple SKUs or cases, if applicable.

3. Choose Done in the GUI mobile terminal to indicate the completion of a count task. If using the CUI mobile terminal, press F8. If you are performing a manual count, you can view the item count quantity. For more information about viewing count quantity, see Section 9.3.4.1, "Viewing the Variance for Count Tasks that are at an Item/UOM Level".

Table 9–9   Item Quantity Entry Fields

Fields	
The location where the count is performed displays.	
The item for which the count is performed displays.	
UOM	The item's unit of measure.
Quantity	Enter the item quantity for the appropriate UOM.
Total	The total number of units of the SKU counted for the task in inventory UOM.

9.3.4 Completing or Accepting the Count after Verifying Variances

After a count is completed, the Yantra 7x Mobile Application lets you view and accept variances, if any. This section describes how to complete the count after verifying any variances that may exist.

9.3.4.1 Viewing the Variance for Count Tasks that are at an Item/UOM Level

If the count task is performed at an item level, UOM level, or a combination of both, on completion of the count task, the following window appears. This window indicates the count quantity and system quantity, using which you can determine the variance. This window also lets you accept the count or execute the count task again.

```
Count Confirmation
SKU
KEYBOARD
UOM
EACH
Count Quantity
22.00
System Quantity
0.00
[Confirm Count]   [Rescan]
```

1. Choose Accept Count in the GUI mobile terminal, to accept the variance for the count task. If using the CUI mobile terminal, press F3.

2. Choose Rescan in the GUI mobile terminal, to execute the count task again. If using the CUI mobile terminal, press F6. For more information about entering count tasks, see Section 9.3.3.3, "Entering Count Task Details".

Table 9−10   Count Quantity Fields for Count Tasks that are at an Item/UOM Level

Fields	
SKU	The item ID being counted.
UOM	The UOM of the item that was counted.
Count Quantity	Indicates the quantity counted for the UOM.
System Quantity	Indicates the system quantity for the UOM.

9.3.4.2 Viewing Variances for Count Tasks performed for a Category or Classification of Items

If the count task is not performed at an item level, UOM level, or a combination of both, on completion of the count task, the following window appears. This window indicates the number of pallets, cases, items, and the total number of units counted. This window also lets you accept the count or execute the count task again.

```
Count Confirmation
Pallets #              0
Cases #                1
Distinct Items #       0
Total Item Cnt         0.00
 Confirm Count      Rescan
```

1. Choose Accept Count in the GUI mobile terminal, to accept the variance for the count task. If using the CUI mobile terminal, press F3.

2. Choose Rescan in the GUI mobile terminal, to execute the count task again. If using the CUI mobile terminal, press F6. For more information about entering count tasks, see Section 9.3.3.3, "Entering Count Task Details".

Table 9–11   Count Quantity Fields for Count Tasks that are not at an Item/UOM Level

Fields	
Pallets #	The number of pallets counted.
Cases #	The number of cases counted.
Distinct Items #	The number of different items counted.
Total Item Count	The total number of units counted.

9.4 Rejecting Accidentally Accepted Count Tasks

The Yantra 7x Mobile Application lets you view your accepted count tasks and reject an accepted task.
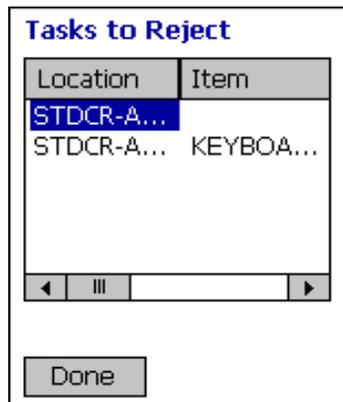
To view your accepted count tasks and reject an accepted task:

1. Choose a count task in the GUI mobile terminal to reject the task. If using the CUI mobile terminal, choose the task and press ENTER. The chosen task is removed from this screen, and now appears in the Tasks To Accept Screen. For more information about viewing count tasks that are open and awaiting acceptance, see Section 9.2.1, "Viewing Assigned Count Tasks to Accept".

2. Choose Done in the GUI mobile terminal to return to the Count Task screen. If using the CUI mobile terminal, press F2. For more

information about choosing a count task, see Section 9.2, "Choosing a Count Task".

9.5 Performing Variance Resolution

The variance count allows you to capture more granular information like Tag Attributes (if the item is tag tracked), Serials (if the item is serial tracked) and other inventory attributes like Product Class and Inventory Status.

9.5.1 Accepting a Variance Task To Resolve

The Yantra 7x Mobile Application lets you scan the location and a pallet or case to initiate the count task.

To initiate the count task:

1. Enter or scan information in the applicable fields.

```
           VARIANCE
STDCR-A3-B1-L1
┌─────────────────────┐
│ STDCR-A3-B1-L1      │
└─────────────────────┘
Item ID
KEYBOARD



Pallet/Case


┌───────────────────────────┐
│                           │
└───────────────────────────┘
┌────┐ ┌──────┐   ┌──────────┐
│ Go │ │ Skip │   │ Complete │
└────┘ └──────┘   └──────────┘
```

2. Choose Go in the GUI mobile terminal, to confirm the SKU information. If using the CUI mobile terminal, press F3. The Count Entry screen appears. For more information about entering count details, see Section 9.5.2, "Validating Inventory Variance at a Granular Level".

3. Choose Complete in the GUI mobile terminal, to indicate the completion of count task. If using the CUI mobile terminal, press F8.

4. Choose Empty in the GUI mobile terminal, to indicate that the location does not have any inventory. If using the CUI mobile terminal, press F7.

> **Note:** 'Complete' and 'Empty' are mutually exclusive buttons. Initially the Empty appears before any counts are performed. When a count task has been initiated the Empty button is no longer displayed, and the Complete button is now displayed.

---

5. Choose Skip in the GUI mobile terminal, to skip the task suggested and request for a new task. If using the CUI mobile terminal, press F8.

Table 9–12   Location and Pallets, Cases, or Both Pallets and Cases Entry Fields

Fields	
Location	The location in variance is populated by the system. Enter or scan the location to confirm.
Item ID	The item ID in variance is populated for a SKU level count task.
Pallet	The LPN to be resolved is suggested, if the task is at the LPN level.

9.5.2 Validating Inventory Variance at a Granular Level

The Yantra 7x Mobile Application lets you validate the variance in inventory at a granular level. You can count the cases or SKUs in the pallet you are counting. If you are counting a case you can count the SKUs in the case.

To scan cases or items:

1. Enter or scan information in the applicable fields.

```
            VARIANCE
    Location
    STDCR-A3-B1-L1
    Pallet

    Item ID/Case ID
    KEYBOARD


        [ Done ]
```

2. Choose Done in the GUI mobile terminal to indicate the completion of variance task. If using the CUI mobile terminal, press F8.

- If the item is a time sensitive SKU, the Ship By Date entry screen appears. For more information about entering the SKU's ship-by-date information, see Section 9.5.2.1, "Entering the SKU's Ship-By-Date Information".

- If the item is tag tracked, the tag attribute entry screen appears. For more information about entering the SKU's tag attribute information, see Section 9.5.2.2, "Entering the SKU's Tag Attribute Information".

- If the item is serial tracked, the serial entry screen appears. For more information about entering the SKU's serial number, see Section 9.5.2.3, "Entering the SKU's Serial Number".

- If the item is tracked by additional inventory attributes, the inventory attribute entry screen appears. For more information about entering the SKU's inventory attributes, see Section 9.5.2.4, "Entering the SKU's Inventory Attributes".

- If not, the Quantity Entry screen appears. For more information about entering the quantity counted, see Section 9.5.2.5, "Viewing the Quantity Counted".

Table 9–13   Count Details Entry Fields

Fields	
Location	The location associated with the count.
Pallet	The pallet LPN.
Item ID/Case ID	Enter or scan the item ID of the SKU or the case LPN.

Note: You can also scan a 1D/2D barcode in the Item ID/Case ID field. If a 1D/2D barcode is captured in the SKU field, the information present as a part of the barcode is not captured again and the relevant screens will not appear.

9.5.2.1 Entering the SKU's Ship-By-Date Information

To enter or scan the ship-by-date for a time sensitive SKU:

1. Enter or scan information in the applicable fields.

```
              VARIANCE

SKU
KEYBOARD
Expiration Date
 12/12/2006




Go
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If the item is tag-tracked, the tag attribute entry screen appears. For more information about entering the SKU's tag attribute, see Section 9.5.2.2, "Entering the SKU's Tag Attribute Information".

- If the item is serial tracked, the serial entry screen appears. For more information about entering the SKU's serial number, see Section 9.5.2.3, "Entering the SKU's Serial Number".

- If the item is tracked by additional inventory attributes, the inventory attribute entry screen appears. For more information about entering the SKU's inventory attribute, see Section 9.5.2.4, "Entering the SKU's Inventory Attributes".

- If not, the Quantity Entry screen appears. For more information about entering the quantity counted, see Section 9.5.2.5, "Viewing the Quantity Counted".

Table 9–14   Ship by Date Entry Fields

Fields	
SKU	The item ID being counted.
Expiration Date	Enter or scan the item's expiration date.

9.5.2.2 Entering the SKU's Tag Attribute Information

Note: You can enter the tag attributes only when the node being counted is configured to capture the tag attributes in all operations performed within the node. For more information about capturing the tag attributes, refer to the *Yantra 7x Platform Configuration Guide*.

The tag attribute entry screen displays the tag attributes for a tag-tracked item, when the tag information is not available on the system.

To enter the tag details:

1. Enter or scan information in the applicable fields.

```
              VARIANCE
SKU
KEYBOARD
Lot #

┌─────────────────────────────┐
│                             │
└─────────────────────────────┘

┌────┐
│ Go │
└────┘
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

   • If the item is serial tracked, the serial entry screen appears. For more information about entering the SKU's serial number, see Section 9.5.2.3, "Entering the SKU's Serial Number".

   • If the item is tracked by additional inventory attributes, the inventory attribute entry screen appears. For more information about entering the SKU's inventory attribute, see Section 9.5.2.4, "Entering the SKU's Inventory Attributes".

   • If not, the Quantity Entry screen appears. For more information about entering the quantity counted, see Section 9.5.2.5, "Viewing the Quantity Counted".

Table 9–15   Tag Attribute Entry Fields

Fields	
SKU	The item ID being counted.
Batch #	Enter or scan the batch number associated with the tag.

9.5.2.3 Entering the SKU's Serial Number

The serial scan screen allows to scan serial numbers for a serial tracked SKU.

To enter the item's serial details:

1. Enter or scan information in the applicable fields.

If the secondary serial number exists for an item, capture the secondary serial numbers. For more information about entering the SKU's secondary serial numbers, see Section 9.5.2.3.1, "Entering the SKU's Secondary Serial number".

```
            VARIANCE
SKU

KEYBOARD

Serial #

[                              ]


  [ Go ]
```

> **Note:** The fields displayed vary depending on the item scanned.

2. Choose Go in the GUI mobile terminal to save the serial information. If using the CUI mobile terminal, press F3.

- If the item is tracked by additional inventory attributes, the inventory attribute entry screen appears. For more information about entering the SKU's inventory attribute, see Section 9.5.2.4, "Entering the SKU's Inventory Attributes".

- If not, the Count Quantity screen appears which displays the quantity counted. For more information about viewing the quantity counted, see Section 9.5.2.5, "Viewing the Quantity Counted".

Table 9–16   Serial Entry Fields

Fields	
SKU	The item ID being counted.
Serial #	Enter or scan the item's serial number.

9.5.2.3.1 Entering the SKU's Secondary Serial number

To capture an item's secondary serial numbers:

1. In Serial #, enter or scan the item's serial number.

1. In Secondary Serial #1, enter or scan the item's component serial number, if applicable.

2. In Secondary Serial #2, enter or scan the item's component serial number, if applicable.

> **Note:** The fields displayed vary depending on the item scanned.

- Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The system suggests to scan the next secondary serial number, if applicable. If not, capture the serial number for the SKU. For more information about entering the SKU's serial number, see Section 9.5.2.3, "Entering the SKU's Serial Number".

Table 9–17   Secondary Serial Number Entry Fields

Fields	
SKU	The item ID.
Serial #	Enter or scan the item's serial number.

Table 9–17   Secondary Serial Number Entry Fields

Fields	
Secondary Serial # 1	Enter or scan the item's component serial number, if applicable.
Secondary Serial # 2	Enter or scan the item's component serial number, if applicable.

9.5.2.4 Entering the SKU's Inventory Attributes

To capture the inventory attributes:

1. Enter or scan information in the applicable fields.

- Choose Go in the GUI mobile terminal, to enter the quantity. If using the CUI mobile terminal, press F3. The Quantity Entry screen appears. For more information about entering the quantity counted, see Section 9.5.2.5, "Viewing the Quantity Counted".

Table 9–18   Inventory Attributes Entry Fields

Fields	
SKU	The item ID being counted.
Inventory Status	Enter or scan the inventory status of the item you are counting.
Product Class	Enter or scan the product class of the item you are counting.

9.5.2.5 Viewing the Quantity Counted

The Yantra 7x Mobile Application lets you view the item quantity that was counted:

```
              VARIANCE
SKU
KEYBOARD
UOM           Quantity
CASE          [        ]
EACH          [75      ]
Total    75.0     EACH
[Go]  [Done]
```

1. Choose Go in the GUI mobile terminal to validate inventory variance at a granular level. If using the CUI mobile terminal, press F3. The Count Entry screen appears. For more information about entering the count details, see Section 9.5.2, "Validating Inventory Variance at a Granular Level".

2. Choose Done in the GUI mobile terminal to accept a variance task to resolve. If using the CUI mobile terminal, press F8. The Location and pallet or case entry screen appears. For more information about entering the Location and Pallet or Case, see Section 9.5.1, "Accepting a Variance Task To Resolve".

Table 9–19   Count Quantity Fields

Fields	
SKU	The item ID being counted.
UOM	An alternate UOM and the inventory UOM corresponding to the item populates, if applicable.
Quantity	The item quantity counted.
Total	The total units counted in the inventory UOM.

9.5.3 Completing or Re-executing the Variance Task

The Count Confirm screen lets you either accept the existing count task or execute the count task again.

```
Count Confirmation
SKU
KEYBOARD
UOM
EACH
Count Quantity
22.00
System Quantity
0.00
[Confirm Count]   [Rescan]
```

To accept the existing count task or execute the count task again:

1. Choose Accept Count in the GUI mobile terminal, to accept the count task. If using the CUI mobile terminal, press F3.

2. Choose Rescan in the GUI mobile terminal, to count the task. If using the CUI mobile terminal, press F6. For more information about entering the count details, see Section 9.5.2, "Validating Inventory Variance at a Granular Level".

Table 9–20   Count Confirm Fields

Fields	
SKU	The item ID being counted.
UOM	The item's unit of measure that was counted.
Count Quantity	Indicates the UOM quantity counted.
System Quantity	Indicates the system quantity.

10

Picking Inventory

Yantra 7x WMS generates appropriate tasks for each pick request. Yantra 7x WMS Task Management is used to execute these tasks using printed move tickets, mobile terminals, or by integrating with MHEs.

The Yantra 7x Mobile Application lets you:

- Pick into shipping cartons.

- Pick into shipping pallets.

- Pick Pallets.

- Pick cases.

- Pick units into a carton.

- Pick units or cases into a pallet.

This chapter describes how to pick pallets, cases, or SKUs using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

10.1 Understanding Pick Processes Supported by Yantra 7x WMS for Mobile Terminal Picking

This section provides a brief overview of the various pick processes supported by Yantra 7x WMS for the Mobile Terminal.

10.1.1 Order Pick

In order picking, one order or shipment is picked at a time in the assigned locations.

Yantra 7x WMS supports the following order pick process:

- Picking into System-Suggested Outbound Carton -- Label Driven
- Picking into User-Suggested Outbound Container -- Shipment Driven
- Picking Shipping Pallets or Cases
- Picking into Inventory Case or Pallet

10.1.1.1 Picking into System-Suggested Outbound Carton -- Label Driven

To pick into a system-suggested outbound carton:

1. Collect the preprinted labels from the warehouse supervisor.

   The Shipping Cartons SCM labels are printed during the wave release process.

2. Pick the carton and apply the label on the carton.

3. Scan the carton SCM. Yantra 7x WMS suggests pick tasks for the scanned container SCM.

4. Pick inventory into the carton. On completing the pick task, the system suggests to deposit the carton into the location.

5. Repeat steps 1 through 4 to pick inventory into the next carton.

10.1.1.2 Picking into User-Suggested Outbound Container -- Shipment Driven

To pick into a user-suggested outbound container:

1. Scan the shipment number. Yantra 7x WMS suggests pick tasks for the scanned shipment number.

2. Based on the task type configuration, select the outbound container (case or pallet). Apply preprinted SCM labels on the container.

3. Scan the container SCM.

4. Pick inventory into the container. The system suggests next pick task for the shipment, if applicable.

5. If the container is full, close the container.

6. If you have tasks to execute, the system suggests to scan a new container.

7. Repeat steps 2 through 4 until all the pick tasks for the shipment is complete.

8. The system suggests to deposit the containers that you picked.

10.1.1.3 Picking Shipping Pallets or Cases

To pick shipping pallets or cases:

1. Scan the shipment number. Yantra 7x WMS suggests pick tasks for the scanned shipment number.

2. You can either scan the pallet or case to pick, or apply preprinted SCM labels.

3. If you have tasks to execute, the system suggests next pick task for the shipment.

4. Repeat steps 2 through 3 until all the pick tasks for the shipment is complete.

5. The system suggests to deposit the containers that you picked.

> **Note:** All cases and pallets that you picked are converted into outbound containers.

10.1.1.4 Picking into Inventory Case or Pallet

To pick into an inventory case or pallet:

1. Scan the shipment number. Yantra 7x WMS suggests pick tasks for the scanned shipment number.

2. Based on the task type configuration, select the appropriate inventory container (case or pallet).

3. Scan the container LPN. If the scanned LPN does not exist, the system creates a new container.

4. Pick inventory into the container. The system suggests next pick task for the shipment, if applicable.

5. If the container is full, close the container.

6. If you have tasks to execute, the system suggests to scan the container.

7. Repeat steps 2 through 6 until all the pick tasks for the shipment is complete.

8. The system suggests to deposit the containers that you picked.

10.1.1.5 Picking Inventory Cases or Pallets

To pick inventory cases or pallets:

1. Scan the shipment number. Yantra 7x WMS suggests pick tasks for the scanned shipment number.

2. You can either scan the pallet or case to pick, or apply preprinted SCM labels.

3. If you have tasks to execute, the system suggests next pick task for the shipment.

4. Repeat steps 2 through 3 until all the pick tasks for the shipment is complete.

5. The system suggests to deposit the containers that you picked.

10.1.2 Batch Pick

Multiple orders or shipments can be grouped into a batch and picked. For more information about pick processes, refer to the *Yantra 7x Warehouse Management System Concepts Guide*.

Yantra 7x WMS supports the following batch pick process:

- Picking Shipping Pallets or Cases

- Picking Items into Inventory Container

- Picking Inventory Pallets or Cases

10.1.2.1 Picking Shipping Pallets or Cases

To pick shipping pallets or cases:

1. Scan the batch number. Yantra 7x WMS suggests pick tasks for the scanned batch number.

2. You can either scan the pallet or case to pick, or apply preprinted SCM labels.

3. If you have tasks to execute, the system suggests next pick task for the batch.

4. Repeat steps 2 through 3 until all the pick tasks for the batch is complete.

5. The system suggests to deposit the containers that you picked.

> **Note:** All cases and pallets that you picked are converted into outbound containers.

10.1.2.2 Picking Items into Inventory Container

To pick items into an inventory container:

1. Scan the batch number. Yantra 7x WMS suggests pick tasks for the scanned batch number.

2. Based on the task type configuration, select the appropriate inventory container (case or a pallet).

3. Scan the container LPN. If the scanned LPN does not exist, the system creates a new container.

4. Pick inventory into the container. The system suggests next pick task for the batch, if applicable.

5. If the container is full, close the container.

6. If you have tasks to execute, the system suggests to scan the container.

7. Repeat steps 2 through 6 until all pick tasks for the batch is complete.

8. The system suggests to deposit the containers that you picked.

10.1.2.3 Picking Inventory Pallets or Cases

To pick inventory pallets or cases:

1. Scan the batch number. Yantra 7x WMS suggests pick tasks for the scanned batch number.

2. You can either scan the pallet or case to pick, or apply preprinted SCM labels.

3. If you have tasks to execute, the system suggests next pick task for the batch.

4. Repeat steps 2 through 3 until all pick tasks for the batch is complete.

5. The system suggests to deposit the containers that you picked.

> **Note:** Inventory pallets or cases picked in one batch can belong to multiple shipments.

10.2 Understanding Pick Processes Supported by Yantra 7x WMS for Paper-Based Picking

This section provides a brief overview of various pick processes supported by Yantra 7x WMS for paper-based picking.

In the paper-based picking, you can perform the following:

- Picking a Shipment
- Picking Multiple Shipments or a Batch
- Picking and Sorting Multiple Shipments or a Batch
- Picking, Sorting and Packing Multiple Shipments or a Batch

10.2.1 Picking a Shipment

To pick a shipment:

1. Collect the Batch Sheet.

   The Batch Sheet is printed during the wave release process. The Batch Sheet provides shipment information for a single shipment.

2. Pick items as specified in the Batch Sheet.

3. Deposit items into the suggested location.

4. Confirm batch using the Confirm Batch console.

5. On confirming the batch, Yantra 7x WMS adjusts the location inventory in the system to reflect the physical inventory.

10.2.2 Picking Multiple Shipments or a Batch

To pick multiple shipments or a batch:

1. Collect the Batch Sheet.

   The Batch Sheet is printed during the wave release process. Depending on the Task Type and Batch Rule configurations, you can group multiple shipments into one batch.

2. Pick items as specified in the Batch Sheet.

3. Deposit items into the suggested location.

4. Confirm batch using the Confirm Batch console.

5. On confirming the batch, Yantra 7x WMS adjusts the location inventory in the system to reflect the physical inventory.

10.2.3 Picking and Sorting Multiple Shipments or a Batch

To pick and sort multiple shipments or a batch:

1. Collect the Batch Sheet.

   The Batch Sheet is printed during the wave release process. Depending on the Task Type and Batch Rule configurations, you can group multiple shipments into one batch. The Batch Sheet provides multiple slot information to perform both pick and sort operations.

2. Pick items using the cart equipment or any material handling equipment with multiple slots.

3. Pick items as specified in the Batch Sheet.

4. Deposit items into the pack location.

5. Confirm batch using the Confirm Batch console.

6. On confirming the batch, Yantra 7x WMS adjusts the location inventory in the system to reflect the physical inventory.

10.2.4 Picking, Sorting and Packing Multiple Shipments or a Batch

To pick, sort and pack multiple shipments or a batch:

1. Collect the Batch Sheet and Container Labels.

   The Batch Sheet and Container Labels are printed during the wave release process. Depending on the Task Type and Batch Rule configurations, you can group multiple shipments into one batch. The Batch Sheet provides multiple slot information to perform both pick and sort operations.

2. Use the cart equipment for picking the items or any material handling equipment with multiple slots.

3. Apply the container labels on the cartons. Place the carton on the appropriate equipment slot as specified in the Batch Sheet.

4. Pick items into the container as specified in the Batch Sheet.

5. Deposit container into the location.

6. Confirm batch using the Confirm Batch console.

On confirming the batch, Yantra 7x WMS adjusts the location inventory in the system to reflect the physical inventory.

10.3 Pick Strategies

There are two strategies of performing pick: System-directed and User-directed. This section explains these two pick strategies.

10.3.1 System-Directed Pick

In this strategy, the system drives the pick and provides directions on how to perform the pick.

For system-directed pick using the Yantra 7x Mobile Application,

1. From the Menu page, select Outbound Pick and press Enter. The Criteria window appears, which lets you enter the start location. For more information about entering the start location, see Section 10.3.1.1, "Specifying the Start Location for System-Directed Pick".

2. If you are picking a pallet or case and the system suggests to verify the source location, verify the location. For more information about verifying the source location, see Section 10.4, "Verifying the Source Location".

3. If you are picking a non-license plated product, or a license plated pallet or case, enter the SKU pick quantity. For more information about entering the quantity of SKU picked, see Section 10.5, "Picking From the Source Location".

   If you are picking a non-license plated product by applying the license plate, enter or scan the pre-printed license plate number. For more information about picking non-license plated products by applying license plates, see Section 10.5.2, "Picking Non-License Plated Products by Applying License Plates".

4. If the system suggests SKU pick to a pallet, pick the SKU to a pallet. For more information about picking SKUs to a pallet, see Section 10.5.3, "Picking Products into a Pallet".

   If the system suggests SKU pick to a case, pick the SKU to a case. For more information about picking SKUs to a case, see Section 10.5.4, "Picking Products into a Case".

5. If the system suggests a deposit task, deposit the pallet, case or SKU into the system-suggested location. For more information about depositing the picked products into the target location, see Section , "Depositing Picked Products at the Target Location".

10.3.1.1 Specifying the Start Location for System-Directed Pick

To specify the start location:

1. In Equipment #, enter or scan the equipment you have.

2. In Task List #, enter the batch number, shipment number, or container SCM.

3. In Start Location, enter the current location ID.

4. Choose Go in the GUI mobile terminal. If using CUI mobile terminal, press F3.

Table 10–1   Criteria Fields

Fields	
Equipment #	Enter or scan the equipment ID. The system automatically considers this to suggest tasks.
Task List #	Enter or scan the batch number, shipment number, wave number, or container SCM.
Start Location #	Enter or scan the start location. The system uses the location entered to suggest the next optimal task.

Table 10–2   Criteria Barcode Types

Fields	
Task List #	PickInitiation
Start Location #	Location

10.3.2 User-Directed Pick

In this strategy, the user drives the pick.

For user-directed picking using the Yantra 7x Mobile Application,

1. From the Menu page, select Outbound Pick and press Enter. The Criteria window appears, which lets you enter the start location. For more information about entering the start location, see Section 10.3.2.1, "Specifying the Start Location for User-Directed Pick".

2. Select the task from the task list. For more information about selecting a task from a user driven task list, see Section 10.3.2.2, "Selecting a Task to Perform".

3. If you are picking a pallet or case and the system suggests to verify the source location, verify the location. For more information about verifying the source location, see Section 10.4, "Verifying the Source Location".

4. If you are picking a non-license plated product, or a license plated pallet or case, enter the SKU pick quantity. For more information about entering the quantity of SKU picked, see Section 10.5.1, "Picking Non-License Plated Products, License Plated Pallets and License Plated Cases".

   If you are picking a non-license plated product by applying the license plate, enter or scan the pre-printed license plate number. For more information about picking non-license plated products by applying license plates, see Section 10.5.2, "Picking Non-License Plated Products by Applying License Plates".

5. If the system suggests SKU pick to a pallet, pick the SKU to a pallet. For more information about picking SKUs to a pallet, see Section 10.5.3, "Picking Products into a Pallet".

   If the system suggests SKU pick to a case, pick the SKU to a case. For more information about picking SKUs to a case, see Section 10.5.4, "Picking Products into a Case".

6. If the system suggests a deposit task, deposit the pallet, case or SKU into the system-suggested location. For more information about depositing the picked products into the target location, see Section , "Depositing Picked Products at the Target Location".

10.3.2.1 Specifying the Start Location for User-Directed Pick

To specify the start location:

1. In Equipment #, enter or scan the equipment you have.

2. In Task List #, enter the batch number, shipment number, or container SCM.

3. In Start Location, enter the current location ID.

4. Choose Go in the GUI mobile terminal. If using CUI mobile terminal, press F3.

Table 10–3   Criteria Fields

Fields	
Equipment #	Enter or scan the equipment ID. The system automatically considers this to suggest tasks.
Task List #	Enter or scan the batch number, shipment number, wave number, or container SCM.
Start Location #	Enter or scan the start location. The system uses the location entered to suggest the next optimal task.

Table 10–4   Criteria Barcode Types

Fields	
Task List #	PickInitiation
Start Location #	Location

10.3.2.2 Selecting a Task to Perform

For user-directed tasks, the Yantra 7x Mobile Application lets you view a list of tasks and select the appropriate task from the list.

To select a task:

1. From the task list, select a task and press Enter. The Location Verification window appears. For more information about verifying the source location, see Section 10.4, "Verifying the Source Location".

2. Choose Deposit in the GUI mobile terminal to deposit pallets, cases, or SKUs, if applicable. If using the CUI mobile terminal, press F8.

3. Choose Done in the GUI mobile terminal to view the Menu page. If using the CUI mobile terminal, press F4.

Table 10–5   Task List Field

Field	
TaskList	The pick task list details.

10.4 Verifying the Source Location

If the task is system-suggested, the Yantra 7x Mobile Application lets you view and scan the source location from which you want to pick pallets or cases.

To pick pallets or cases from a location:

1. In Location, enter or scan the source location from which to pick pallets or cases.

2. If the system suggests to pick SKU from a particular LPN, and the LPN you scan is a single SKU LPN, on choosing the Go or Deposit buttons, the system automatically suggests to deposit the SKU. For more information about depositing SKUs into the location, see Section 10.5.9, "Depositing Non-License Plated Products".
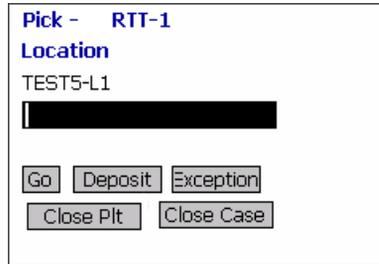
```
Pick -   RTT-1
Location
TEST5-L1
[|                          ]

[Go]  [Deposit]  [Exception]
    [Close Plt]  [Close Case]
```

3. Choose Go in the GUI mobile terminal to enter the quantity of SKU that you picked. If using the CUI mobile terminal, press F3. For more information about entering the quantity of SKU picked, see Section 10.5.1, "Picking Non-License Plated Products, License Plated Pallets and License Plated Cases".

4. Choose Deposit in the GUI mobile terminal to deposit the pallets, cases and SKUs. If using the CUI mobile terminal, press F8.

- For more information about depositing pallets, see Section 10.5.7, "Depositing License Plated Pallets".

- For more information about depositing cases, see Section 10.5.8, "Depositing License Plated Cases".

- For more information about depositing SKUs, see Section 10.5.9, "Depositing Non-License Plated Products".

5. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 10.5.6, "Recording Pick Exceptions".

6. Choose Close Plt in the GUI mobile terminal. If using the CUI mobile terminal, press F6. The system suggests to pick next pallet, if available. If not, deposit all pallets that you picked. For more information about picking to pallets, see Section 10.5.3, "Picking Products into a Pallet".

7. Choose Close Case in the GUI mobile terminal. If using the CUI mobile terminal, press F7. The system suggests to pick the next case, if available. If not, deposit all cases that you picked. For more information about picking SKUs to an inventory case, see Section 10.5.4, "Picking Products into a Case".

Table 10–6 Pick Location Verification Field

Field	
Source Location	Enter or scan the pick location.

Table 10–7 Pick Location Verification Barcode Type

Field	
Source Location	Location

10.5 Picking From the Source Location

10.5.1 Picking Non-License Plated Products, License Plated Pallets and License Plated Cases

Once you scan the SKU quantity for a pick task, the system automatically displays the total SKU quantity that you picked.

1. In SKU, enter or scan the SKU, pallet LPN or case LPN. The total SKU quantity picked displays.

Note: If the SKU, pallet LPN, or Case LPN scanned has inventory information such as tag number, serial number, expiration date, quantity from the barcode translation, you will not be prompted to capture the inventory information. Typically, a 2D barcode provides such inventory information on translation.

For example: If a tag-tracked item with lot number "L" has tag information from the barcode translation that the item belongs to lot "L", the Tag Entry window will not be displayed.

When you scan a barcode that translates to SKU quantity greater than the demand or task quantity, the Info window appears based on barcode translation source and TaskType of the task. Choose OK. You are returned to the SKU Quantity Entry window. Table 10–10 details the barcode translation source rules.
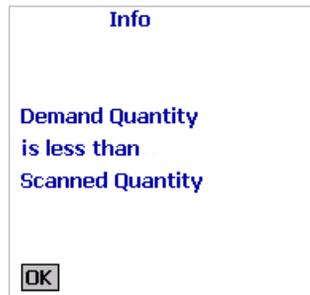
Note: If the scanned quantity is greater than the demand quantity, you can break open the LPN and pick the inner boxes. In this case, scan the 1D/2D barcodes of the inner boxes in the SKU field.

---

2. If you scan an LPN, and the SKU quantity in that LPN is less-than or equal to the system-suggested SKU pick task quantity, do not enter the SKU quantity.

3. If you scan an LPN, and the SKU quantity in that LPN is greater than the system-suggested SKU pick task quantity:

   - In Alternate UOM, enter or scan the SKU quantity, if applicable.

   - In Inventory UOM, enter or scan the SKU quantity. For example, the basic UOM for a monitor is EACH, ROLL for metal sheets, Cubic Metres for a metal block.

4. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

   If the system detects that the location is empty after picking, a confirmation dialog box appears. Choose Yes if the location is empty after pick. Choose No if the location is not empty after pick.

Confirmation

Location
2-PR-A3-B4-L1

Is Location Empty?

| YES | | NO |

> **Note 1:** The Confirmation window appears only when:
>
> - The Zone being picked is configured to "Confirm Location Empty After Pick".
>
> - The task type being executed is configured to "pick to equipment" and the equipment that the user specifies is modeled as a location.
>
> If picking is not done using an equipment, the inventory move from the pick location is not recorded. Hence, the location's fill code is "not empty" and the Confirmation window does not appear.
>
> **Note 1:** Choosing No in the confirmation dialog box triggers an event that creates a count request.
>
> **Note 2:** When the picked quantity is less than the quantity scanned from the barcode, an event "QTY_TRANSLATION_OVERRIDE" associated with the "BARCODE_SCAN" transaction is raised.
>
> The XML published by the "QTY_TRANSLATION_OVERRIDE" event is:
>
> <BarCode BarCodeData="" BarCodeType="" BarCodeTranslationSource="" TranslatedQuantity="" QuantityUsed="" EquipmentId="" LocationId="" />.

- If you scan a pallet or case LPN, the system suggests the next pick task, if available. Select the task and verify the location. For more information about verifying the source location, see Section 10.4, "Verifying the Source Location".

- If you scan a SKU,

    - If the SKU is tag tracked, capture the tag details. For more information about capturing the tag number, see Section 10.5.1.1, "Capturing the Tag Number".

    - If the SKU is time sensitive, capture the expiration date. For more information about capturing the expiration date, see Section 10.5.1.2, "Capturing the Expiration Date".

    — If the SKU is serial tracked or requires outbound serial tracking, capture the serial number. For more information about capturing the serial number, see Section 10.5.1.3, "Capturing the Serial Number".

> **Note:** If the item scanned has inventory information such as tag number, serial number, expiration date, quantity from the barcode translation, you will not be prompted to capture the inventory information.
>
> For example: If a tag tracked item with lot number "L" has tag information from the barcode translation that the item belongs to lot "L", the Tag Entry window will not be displayed.

5. Choose Close Case in the GUI mobile terminal to close an open case. If using the CUI mobile terminal, press F7. The system suggests to pick SKUs to an inventory case, if available. For more information about picking a SKU to an inventory case, see Section 10.5.4, "Picking Products into a Case".

6. Choose Close Plt in the GUI mobile terminal to close an open pallet. If using the CUI mobile terminal, press F6. The system suggests to pick to pallet, if available. For more information about picking pallets, see Section 10.5.3, "Picking Products into a Pallet".

7. Choose Deposit in the GUI mobile terminal to deposit all pallets, cases or SKUs. If using the CUI mobile terminal, press F8.

   - For more information about depositing pallets, see Section 10.5.7, "Depositing License Plated Pallets".

   - For more information about depositing cases, see Section 10.5.8, "Depositing License Plated Cases".

   - For more information about depositing SKUs, see Section 10.5.9, "Depositing Non-License Plated Products".

8. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 10.5.6, "Recording Pick Exceptions".

Table 10–8   SKU Quantity Entry Fields

Fields	
SKU	Enter or scan a SKU, pallet, or case.
	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item identifier of the item to pick displays. Otherwise, the item identifier of the item to pick displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.
Operational UOM	An operational UOM corresponding to the item is displayed.
	The quantity corresponding to the operation UOM is populated.
	The operational UOM is not visible if the task quantity is less than the alternate UOM's conversion quantity or when the alternate UOM is not specified for the SKU.
Inventory UOM	The inventory UOM for the item is displayed.
	The quantity corresponding to the inventory UOM is populated.

Table 10–9   SKU Quantity Entry Barcode Type

Field	
SKU	ItemOrInventoryContainer

Table 10–10   Barcode Translation Source Rules

Barcode Translation Source	TaskType Allows Overpick	Is Info window Displayed	Total quantity displayed in Alternate UOM and Inventory UOM fields
Pallet	N	N	Demand
Pallet	Y	N	Demand

Table 10–10   Barcode Translation Source Rules

Barcode Translation Source	TaskType Allows Overpick	Is Info window Displayed	Total quantity displayed in Alternate UOM and Inventory UOM fields
Case	N	Y	Demand
Case	Y	N	Scanned
Others	N	Y	Demand
Others	Y	N	Scanned

10.5.1.1 Capturing the Tag Number

> **Note:**   You can enter the tag attributes only if the node is configured to capture the tag attributes in all operations performed within the node, or if the buyer on a shipment mandates it as a part of the inbound compliance. For more information about capturing the tag attributes, refer to the *Yantra 7x Platform Configuration Guide*.

The Yantra 7x Mobile Application lets you capture the tag numbers, such as the Lot # and the Batch #, for a tag tracked SKU.

To capture the tag number:

1.   In Lot #, enter or scan the tag number.

```
Pick -    RTT-1
SKU
BOX
Lot #
[                    ]

  Go      Exception
```

2.   Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If the SKU is time sensitive, capture the expiration date. For more information about capturing the expiration date, see Section 10.5.1.2, "Capturing the Expiration Date".

- If the SKU is serial tracked or requires outbound serial tracking, capture the serial number. For more information about capturing the serial number, see Section 10.5.1.3, "Capturing the Serial Number".

- If the SKU is not time sensitive and not serial tracked, enter the SKU quantity. For more information about entering the quantity of SKU picked, see Section 10.5.1, "Picking Non-License Plated Products, License Plated Pallets and License Plated Cases".

3. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 10.5.6, "Recording Pick Exceptions".

Table 10–11   Tag Number Entry Fields

Fields	
SKU	The item is suggested.
Lot #	The lot number associated with tag tracked SKU.

10.5.1.2 Capturing the Expiration Date

The Yantra 7x Mobile Application lets you capture the expiration date for a time sensitive SKU.

To capture the expiration date:

1. In Expiration Date, enter or scan the SKU expiration date.

```
Pick -    RTT-1

SKU
KEYBOARD
Expiration Date
▌

 Go    Exception
```

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If the SKU is serial tracked, enter or scan the serial number. For more information about capturing the serial number, see Section 10.5.1.3, "Capturing the Serial Number".

- If the SKU is not tracked by serial number, enter the SKU quantity. For more information about entering the quantity of SKU picked, see Section 10.5.1, "Picking Non-License Plated Products, License Plated Pallets and License Plated Cases".

3. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 10.5.6, "Recording Pick Exceptions".

Table 10–12   Expiration Date Versus Ship By Date Fields

Fields	
SKU	The item corresponding to the case suggested.
Expiration Date	Enter or scan the expiration date.

10.5.1.3 Capturing the Serial Number

The Yantra 7x Mobile Application lets you capture the serial number for a serial tracked SKU.

To capture the serial number:

1. In Serial #, enter or scan the serial number of the item.


```
Pick -   RTT-1
SKU
29INTV-FLAT
Serial #
[                        ]

[Done]  [ Exception ]
```

2. Choose Done in the GUI mobile terminal to pick next SKU. If using the CUI mobile terminal, press F8. For more information about picking to an inventory case, see Section 10.5.4, "Picking Products into a Case".

3. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 10.5.6, "Recording Pick Exceptions".

Table 10–13   Serial Number Entry Fields

Fields	
SKU	The item corresponding to the case suggested.
Serial #	Enter or scan the serial number.
Secondary Serial #1	Enter or scan the component serial number of the item, if applicable.
Secondary Serial #2	Enter or scan the component serial number of the item, if applicable.

10.5.2 Picking Non-License Plated Products by Applying License Plates

The mobile terminal also lets you pick non-license plated products by applying pre-printed license plated labels on containers and picking into them.

```
Pick -    D
21INTV
21 Inches TV
20.0          EACH
█
Scan Qty      0
   PALLET    [5      ]
+  EACH      [0.0    ]
=  EACH      20.0
[Go] [Close Case]
[Close Plt] [Deposit]
[Exception]
```

Demand or Task Quantity ——— (21 Inches TV / 20.0)

Inventory UOM ——— SKU

Alternate UOM ——— Inventory UOM

1. In SKU, enter or scan the pre-printed license plate label. The system automatically displays the quantity to pick into the container.

> **Note:** You can also scan a 1D/2D barcode in the SKU field. If a 1D/2D barcode is captured in the SKU field, the information present as a part of the barcode is not captured again and the relevant screens will not appear.

2. If the SKU quantity to be picked is different from the system-suggested SKU pick task quantity:

   • In Alternate UOM, enter or scan the SKU quantity, if applicable.

   • In Inventory UOM, enter or scan the SKU quantity. For example, the basic UOM for a monitor is EACH, ROLL for metal sheets, Cubic Metres for a metal block.

3. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

   If the system detects that the location is empty after picking, a confirmation dialog box appears. Choose Yes if the location is empty after pick. Choose No if the location is not empty after pick.

Note 1: The Confirmation window appears only when:

- The zone from where inventory is picked is configured to "Confirm Location Empty After Pick".

- The task type being executed is configured to "pick to equipment" and the equipment that the user specifies is modeled as a location.

If picking is not done using an equipment, the inventory move from the pick location is not recorded. Hence, the location's fill code is "not empty" and the Confirmation window does not appear.

Note 2: Choosing No in the confirmation dialog box triggers an event that creates a count request.

Note 3: When the picked quantity is less than the quantity scanned from the barcode, an event "QTY_TRANSLATION_OVERRIDE" associated with the "BARCODE_SCAN" transaction is raised.

The XML published by the "QTY_TRANSLATION_OVERRIDE" event is:

<BarCode BarCodeData="" BarCodeType="" BarCodeTranslationSource="" TranslatedQuantity="" QuantityUsed="" EquipmentId="" LocationId="" />.

The system suggests the next pick task, if available. Select the task and verify the location. Section 10.4, "Verifying the Source Location".

4. Choose Close Case in the GUI mobile terminal to close an open case. If using the CUI mobile terminal, press F7. The system suggests to pick SKUs to an inventory case, if available. For more information about picking a SKU to an inventory case, seeSection 10.5.4, "Picking Products into a Case".

5. Choose Close Plt in the GUI mobile terminal to close an open pallet. If using the CUI mobile terminal, press F6. The system suggests to pick to pallet, if available. For more information about picking pallets, see Section 10.5.3, "Picking Products into a Pallet".

6. Choose Deposit in the GUI mobile terminal to deposit all pallets or cases. If using the CUI mobile terminal, press F8.

   • For more information about depositing pallets, see Section 10.5.7, "Depositing License Plated Pallets".

   • For more information about depositing cases, see Section 10.5.8, "Depositing License Plated Cases".

7. Choose Exception in the GUI mobile terminal to record pick exceptions. If using the CUI mobile terminal, press F4. For more information about recording pick exceptions, see Section 10.5.6, "Recording Pick Exceptions".

Table 10–14   SKU Quantity Entry Fields

Fields	
SKU	Enter or scan the pre-printed license plated label for the new license plate.
	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item's identifier displays. Otherwise, the item's identifier displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.
Operational UOM	An operational UOM corresponding to the item is displayed.
	The quantity corresponding to the operation UOM is populated.
	The operational UOM is not visible if the task quantity is less than the alternate UOM's conversion quantity or when the alternate UOM is not specified for the SKU.
Inventory UOM	The inventory UOM for the item is displayed.
	The quantity corresponding to the inventory UOM is populated.

Table 10–15   SKU Quantity Entry Barcode Type

Field	
SKU	ItemOrInventoryContainer

Table 10–16   Barcode Translation Source Rules

Barcode Translation Source	TaskType Allows Overpick	Is Info window Displayed	Total quantity displayed in Alternate UOM and Inventory UOM fields
Pallet	N	N	Demand
Pallet	Y	N	Demand

Table 10–16   Barcode Translation Source Rules

Barcode Translation Source	TaskType Allows Overpick	Is Info window Displayed	Total quantity displayed in Alternate UOM and Inventory UOM fields
Case	N	Y	Demand
Case	Y	N	Scanned
Others	N	Y	Demand
Others	Y	N	Scanned

10.5.3 Picking Products into a Pallet

The Yantra 7x Mobile Application lets you enter or scan the pallet to pick to.

To pick to a pallet:

1. In Pallet ID, enter or scan the pallet LPN.

```
Pick -    RTT-1
Pallet ID

[                    ]

[Go]  [Deposit]
```

Note: You can also scan an equipment that is modelled as a pallet LPN.

2. Choose Go or press Tab in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If the system suggests to pick into an inventory pallet, in Pallet ID, scan the pallet LPN to pick into the inventory pallet. The Location Verification window appears. For more information about verifying the source location, see Section 10.4, "Verifying the Source Location".

- If the system suggests to pick into an outbound pallet, in Pallet ID, scan the pallet LPN. The Location Verification window appears. For more information about verifying the source location, see Section 10.4, "Verifying the Source Location".

3. Choose Deposit in the GUI mobile terminal to deposit the pallet. For more information about depositing pallets into a location, see Section 10.5.7, "Depositing License Plated Pallets". If using the CUI mobile terminal, press F8.

Table 10–17   Pick to Pallet Fields

Fields	
Pallet ID	Enter or scan the pallet LPN.

Table 10–18   Pick to Pallet Barcode Code Type

Field	
Pallet ID	Pick Into Inventory Pallet

10.5.4 Picking Products into a Case

To pick a SKU to a case:

1. In Case ID, enter or scan the Case LPN.

> **Note:** You can also scan an equipment that is modelled as case LPN.

2. Choose Go or press Tab in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

   - If the system suggests to pick into an inventory case, in Case ID, scan the case LPN to pick into the inventory pallet. The Location Verification window appears. For more information about verifying the source location, see Section 10.4, "Verifying the Source Location".

   - If the system suggests to pick into an outbound case, in Case ID, scan the case LPN. The Location Verification window appears. For more information about verifying the source location, see Section 10.4, "Verifying the Source Location".

3. Choose Deposit in the GUI mobile terminal to deposit the SKUs that you picked. If using the CUI mobile terminal, press F8. For more information about depositing SKUs into a location, see Section 10.5.9, "Depositing Non-License Plated Products"

   - If the system suggests pallet deposit task, deposit a pallet. For more information about depositing pallets, see Section 10.5.7, "Depositing License Plated Pallets".

   - If the system suggests case deposit task, deposit a case. For more information about depositing cases, see Section 10.5.8, "Depositing License Plated Cases".

   - If the system suggests SKU deposit task, deposit an SKU. For more information about depositing SKUs, see Section 10.5.9, "Depositing Non-License Plated Products".

Table 10–19   SKU Pick to Inventory Case Field

Field	
Case ID	Enter or scan the case LPN.

Table 10–20   SKU Pick to Inventory Case Barcode Type

Field	
Case ID	Pick Into Inventory Case

10.5.5 Picking Products Using Task Consolidation

The Yantra 7x Mobile Application lets you pick products by consolidating multiple tasks provided the following conditions are met:

- If the item being picked is same.

- If the source location is same.

- If the target location is same.

- If the primary task reference is same.

> **Note:**   You cannot perform task consolidation for serial tracked items.

The primary task reference takes different values depending on the pick strategy configuration.

If the pick strategy is:

- Item Picking—the primary task reference is the Wave #.

- Order Picking—the primary task reference is:

  - Container #, if you check 'Pack while pick' and 'Use System Containerization' boxes in the Task Type Wizard while configuring the task type.

  - Shipment #, if you check the 'Pack while pick' box and uncheck the 'Use System Containerization' box.

  - Shipment #, if you uncheck the 'Pack while pick' box.

- Batch Picking—the primary task reference is Batch #, if you check the 'Use Yantra WMS to plan trips by batching tasks' box in the Task Type Wizard and the maximum number of users specified is more than 0.

Once you verify the source location, the system automatically displays
the consolidated task quantity that you picked.

Consolidated Task Quantity —

Inventory UOM
SKU
Alternate UOM
Inventory UOM

10.5.6 Recording Pick Exceptions

In the Yantra 7x Mobile Application, you can enter or scan pick
exceptions while picking inventory.

To record pick exceptions:

1. In Reason Code, enter or scan the reason code for the pick exception.

2. Choose Go in the GUI mobile terminal to record pick exceptions. If
   using CUI mobile terminal, press the F3 key.

3. Choose Back in the GUI mobile terminal. You are returned to the
   previous window. If using CUI mobile terminal, press the F4 key.

> **Note:** You can record skip exceptions to skip a task and move on to the next task.

Table 10–21   Pick Exception Fields

Fields	
Location	The location for which the exception is recorded.
Pallet/Case/SKU	The pallet LPN, case LPN, or SKU for which exception is recorded.
Reason Code	Enter the appropriate reason code for the exception.
	The exception reason code entered determines the action to be taken on the exception, such as Mark Target Location as full, Freeze for Putaway and Suggest Alternate Deposit Location
	Note: If the system cannot suggest an alternate location for deposit exception, deposit in the previously suggested location.

Depositing Picked Products at the Target Location

This section describes how to deposit the picked pallets and cases at the target location.

10.5.7 Depositing License Plated Pallets

The Yantra 7x Mobile Application lets you deposit pallets into the system-suggested location. You can override the system-suggested location and scan location to deposit the cases. A warning message appears. If the system does not suggest any deposit location, scan the location into which you want to deposit the pallets.

To deposit pallets that you picked:

1. In Pallet ID, enter or scan the pallet LPN, if you want to deposit a different pallet from the system-suggested pallet.

2. In Location, enter or scan the deposit location for depositing the pallet.

```
Deposit -    RTT-1
Pallet ID
00100000000000000001
███████████████████

Location
1-PR-A1-B10-L1
[          ]
[Go]  [ Deposit All ]
[ Exception ]  [Drop Offs]
```

3. Choose Go in the GUI mobile terminal to deposit the pallets. If using the CUI mobile terminal, press F3. On depositing all pallets, the system suggests next pick task, if available.

4. Choose Deposit All in the GUI mobile terminal to deposit all pallets that you picked into the system-suggested location. If using the CUI mobile terminal, press F6.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press F4. For more information about recording deposit exceptions, see Section 10.5.11, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal view a list of system-suggested drop off locations. If using the CUI mobile terminal, press F7. For more information about viewing a list of drop-off locations, see Section 10.5.10, "Selecting a Drop Off Location to Deposit".

> **Note:** The system creates a second step move task only when at least one of the following two conditions are met:
>
> - When the suggested and the actual deposit locations have different location types.
>
> - If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 10–22   Pallet Deposit Instruction Fields

Fields	
Pallet ID	Pallet LPN to deposit is suggested.
	Enter or scan the pallet LPN.
	If you enter a different pallet LPN, the system allows you to deposit only that pallet LPN which you picked in this trip.
Drop off Location	The optimal drop off location populated by the system.
Location	The deposit location is displayed.
	Enter or scan the drop off location or the target location.
	If it is a two-step task, enter or scan the drop off location.

Table 10–23   Pallet Deposit Barcode Types

Fields	
Pallet ID	InventoryPallet
Location	Location

10.5.8 Depositing License Plated Cases

The Yantra 7x Mobile Application lets you deposit cases into the system-suggested location. You can override the system-suggested location and scan the location to deposit the cases. A warning message appears. If the system does not suggest any deposit location, scan the location into which you want to deposit the cases.

To deposit cases that you picked:

1. In Case ID, enter or scan the Case LPN, if applicable.

2. In Location, enter or scan the deposit location for depositing the case.

3. Choose Go in the GUI mobile terminal to deposit the case into the location. If using the CUI mobile terminal, press F3. The system suggests next task, if available.

4. Choose Deposit All in the GUI mobile terminal to deposit all cases that you picked into the system-suggested location, or scan a new deposit location. If using the CUI mobile terminal, press F6.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press F4. For more information about recording deposit exceptions, see Section 10.5.11, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal to view a list of system-suggested drop off locations. If using the CUI mobile terminal, press F7. For more information about viewing a list of drop

off locations, see Section 10.5.10, "Selecting a Drop Off Location to Deposit".

> **Note:** The system creates a second step move task only when at least one of the following two conditions are met:
>
> - When the suggested and the actual deposit locations have different location types.
>
> - If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 10–24   Case Deposit Instruction Fields

Fields	
Case ID	Case LPN to deposit is suggested.
	Enter or scan the case LPN.
	If different case LPN is entered, deposit is allowed only if case LPN has been picked in this trip.
Drop-off	The optimal drop off location populated by the system.
	This value is displayed only if task is being executed through a drop-off location.
Location/Container	Enter or scan the location or container.
	If the location is scanned, the contents are dropped off into the location.
	If container LPN is scanned, the contents are placed into the container LPN.

Table 10–25   Case Deposit Barcode Types

Fields	
Case ID	InventoryCase
Location/Container	LocationOr
	Inventory
	Container

10.5.9 Depositing Non-License Plated Products

The system displays the SKU deposit instructions to view before depositing the SKUs.

To deposit a SKU:

1. In SKU, enter or scan the SKU to deposit.

> **Note:** You can also scan a 1D/2D barcode in the SKU field. If a 1D/2D barcode is captured in the SKU field, the information present as a part of the barcode is not captured again and the relevant screens will not appear.

2. In Location, enter or scan the deposit location.

```
Deposit -   RTT-1
SKU
MOUSE
████████████████

Quantity
1.00        EACH
Location
D1
[_____]
[Go]  [ Deposit All ]
[ Exception ]  [ Drop Offs ]
```

3. Choose Go in the GUI mobile terminal to deposit the SKUs. If using the CUI mobile terminal, press F3. On depositing all SKUs, the system suggests next pick task, if available.

4. Choose Deposit All in the GUI mobile terminal to deposit all SKUs. If using the CUI mobile terminal, press F6.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press F4. For more information about recording deposit exceptions, see Section 10.5.11, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal to view a list of system-suggested drop off locations. If using the CUI mobile terminal, press F7. For more information about viewing a list of drop off locations, see Section 10.5.10, "Selecting a Drop Off Location to Deposit".

Note: The system creates a second step move task only when at least one of the following two conditions are met:

- When the suggested and the actual deposit locations have different location types.

- If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 10–26   SKU Deposit Instruction Fields

Fields	
SKU	Enter or scan the item to deposit.
	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item identifier of the item to deposit displays. Otherwise, the item identifier of the item to deposit displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.
Quantity	The quantity to deposit in inventory UOM is displayed.
Location/Container	Enter or scan the location or container.
	If the location is scanned, the contents are dropped off into the location.
	If container LPN is scanned, the contents are placed into the container LPN.

10.5.10 Selecting a Drop Off Location to Deposit

The Mobile Terminal lets you view a list of system-suggested drop off locations to deposit pallets, cases, or SKUs. To return to the previous window, choose Prev View in the GUI mobile terminal. If using CUI mobile terminal, press the F7 key.

10.5.11 Recording Deposit Exceptions

The Mobile Terminal lets you record deposit exceptions while depositing pallets, cases, or SKUs into a location.

To record deposit exceptions:

1. In Reason Code, enter or scan the reason code for the deposit exception.

```
Exception
Location
D1
SKU
MOUSE
Reason Code
|
[Go]  [Back]
```

2. Choose Go in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press the F3 key.

If the reason code is configured to allow partial depositing of the picked inventory, then you can deposit a portion of the picked inventory. For more information about partially depositing the picked inventory, see Section 10.6, "Partially Depositing License and Non-License Plated Inventory".

3. To return to the previous window, choose Back in the GUI mobile terminal. If using the CUI mobile terminal, press the F4 key.

Table 10–27   Deposit Exception Fields

Fields	
Location	The location for which the deposit exception is recorded.
Pallet/Case/SKU	The pallet LPN, case LPN, or SKU for which the deposit exception is recorded.

Table 10–27   Deposit Exception Fields

Fields	
Reason Code	Enter the appropriate reason code for the exception.
	The exception reason code entered determines the action to be taken on the exception, such as Mark Target Location as full, Freeze for Putaway and Suggest Alternate Deposit Location
	Note: If the system cannot suggest an alternate location for deposit exception, deposit in the previously suggested location.

10.6 Partially Depositing License and Non-License Plated Inventory

> **Note:** You cannot partially deposit outbound containers.

The Yantra 7x Mobile Application lets you partially deposit license and non-license plated inventory that you picked.

To partially deposit the picked inventory:

1. In Location, enter or scan the location where you want to partially deposit the inventory that you picked.

2. In Case ID/SKU/Serial#, enter or scan the item you want to deposit.

3. In Quantity, enter the item quantity you want to deposit.

4. Choose Deposit in the GUI mobile terminal to deposit the scanned item. If using the CUI mobile terminal, press the F6 key. Enter or scan the next location to partially deposit the inventory that you picked.

5. Choose Done in the GUI mobile terminal after you finish partially depositing the inventory. The system suggests you to deposit the remaining inventory. If using the CUI mobile terminal, press the F8 key. For more information about depositing SKUs, see Section 10.5.9, "Depositing Non-License Plated Products".

6. Choose Back in the GUI mobile terminal. If using the CUI mobile terminal, press the F6 key. You return to the previous window.

Table 10–28   Partial Deposit Fields

Fields	
Location	Enter or scan the location to partially deposit the picked inventory.
SKU	Enter or scan the item you want to deposit.
Quantity	Enter the item quantity you want to deposit.

11

Performing Ad hoc Moves

This chapter describes how to perform ad hoc moves using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

> **Note:** The ad hoc move function provided out of the box in Yantra 7x can be used to move products to STORAGE after RECEIPT. This may be extended to perform ad hoc moves for other purposes by copying the resource rfmanualmoveD1P1 and changing the JSP name as frmMMEquipment.jsp?ActivityCode=<Some other Activity>&ActivityGroupId=<Some other requesting activity Group>. For example, frmMMEquipment.jsp?ActivityCode= STORAGE&ActivityGroupId=VAS (to manually Putaway after performing VAS).

11.1 Moving License Plated Pallets

The Ad hoc Move screen of Yantra 7x WMS allows you to move single pallets, multiple pallets, or a combination of both using the mobile terminal.

To move pallets using the Yantra 7x Mobile Application,

1. From the Menu page, select Ad hoc Move and press Enter. The Ad hoc Move window appears, which lets you enter the equipment used. For

more information about entering the equipment, see Section 11.4, "Capturing the Equipment".

2. Identify the inventory to be moved. For more information about identifying the inventory to be moved, see Section 11.5, "Identifying the Inventory to Move".

3. If the system suggests a deposit task, deposit the pallet into the system-suggested location. For more information about depositing pallets, see Section 11.1.1, "Depositing Pallets into the Location".

11.1.1 Depositing Pallets into the Location

The Yantra 7x Mobile Application lets you deposit the pallets that you picked into a scanned location or a system-suggested location.

To deposit pallets:

1. In Pallet ID, enter or scan the Pallet LPN, if applicable.

2. In Location, enter or scan the location in which to deposit the pallet.

3. Choose Go in the GUI mobile terminal to deposit the pallets. If using the CUI mobile terminal, press F3. Once you deposit all the pallets, the Source screen appears. For more information about identifying the inventory to be moved, see Section 11.5, "Identifying the Inventory to Move".

4. Choose Deposit All in the GUI mobile terminal to deposit pallets picked into the system-suggested location. If using the CUI mobile terminal, press F6.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press F4. For more information about recording deposit exceptions, see Section 11.7, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal to view a list of system-suggested drop off locations. If using the CUI mobile terminal, press F7. For more information about viewing a list of drop off locations, see Section 11.8, "Viewing Drop Off Locations".

> **Note:** The system creates a second step move task only when at least one of the following two conditions are met:
>
> - When the suggested and the actual deposit locations have different location types.
>
> - If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 11–1   Pallet Deposit Entry Fields

Fields	
Pallet ID	Pallet LPN to deposit is suggested.
	Enter or scan the pallet LPN.
	If different pallet LPN is entered, deposit is allowed only if pallet LPN has been picked in this trip.
Location	The deposit location is displayed.
	Enter or scan the location to deposit the pallets.

Table 11–2   Pallet Deposit Barcode Types

Fields	
Pallet ID	InventoryPallet
Location	Location

11.2 Moving License Plated Cases

The Yantra 7x Mobile Application lets you move cases into the system-suggested or user-suggested location.

To move cases:

1. From the Menu page, select Ad hoc Move and press Enter. The Ad hoc Move window appears, which lets you enter the equipment used. For more information about entering the equipment, see Section 11.4, "Capturing the Equipment".

2. Identify the inventory to be moved. For more information about identifying the inventory to be moved, see Section 11.5, "Identifying the Inventory to Move".

3. If the system suggests a deposit task, deposit the case into the system-suggested location. For more information about depositing cases, see Section 11.1.1, "Depositing Pallets into the Location".

11.2.1 Depositing Cases into the Location

The Yantra 7x Mobile Application lets you deposit the cases that you picked into a scanned location or a system-suggested location.

To deposit cases:

1. In Case ID, enter or scan the Case LPN, if applicable.

2. In Location, enter or scan the location in which to deposit the case.

```
Deposit -    RTT-1
Case ID
00000445450000000101
[                    ]

Drop Off
TEST4-L1
Location
TEST4-L1

[■■■■■■■■■■■■■■■■■■]
[Go]  [ Deposit All ]
[ Exception ]  [ Drop Offs ]
```

3. Choose Go in the GUI mobile terminal to deposit the case into the location. If using the CUI mobile terminal, press F3. Once you deposit all cases, the Source screen appears. For more information about identifying the inventory to be moved, see Section 11.5, "Identifying the Inventory to Move".

4. Choose Deposit All in the GUI mobile terminal to deposit all cases that you picked into the system-suggested location, or scan a new location for depositing the cases. If using the CUI mobile terminal, press F6.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press F4. For more information about recording deposit exceptions, see Section 11.7, "Recording Deposit Exceptions".

6. Choose Drop Offs in the GUI mobile terminal to view a list of system-suggested drop off locations. If using the CUI mobile terminal, press F7. For more information about viewing a list of drop off locations, see Section 11.8, "Viewing Drop Off Locations".

> **Note:** The system creates a second step move task only when at least one of the following two conditions are met:
>
> - When the suggested and the actual deposit locations have different location types.
>
> - If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 11–3   Case Deposit Instruction Fields

Fields	
Case ID	Case LPN to deposit is suggested.
	Enter or scan the case LPN.
	If different case LPN is entered, deposit is allowed only if case LPN has been picked in this trip.
Drop-off	The optimal drop off location populated by the system.
	This value is displayed only if task is being executed through a drop-off location.
Location	Enter or scan the location or container.
	If the location is scanned, the contents are dropped off into the location.
	If container LPN is scanned, the contents are placed into the container LPN.

Table 11–4   Case Deposit Barcode Types

Fields	
Case ID	InventoryCase
Location	LocationOrInventoryContainer

11.3 Moving Non-License Plated Products

The Yantra 7x Mobile Application lets you move SKUs into the system-suggested or user-suggested location.

To move SKUs:

1. From the Menu page, select Ad hoc Move and press Enter. The Ad hoc Move window appears, which lets you enter the equipment used. For more information about entering the equipment, see Section 11.4, "Capturing the Equipment".

2. Identify the inventory to be moved. For more information about identifying the inventory to be moved, see Section 11.5, "Identifying the Inventory to Move".

Note: The Yantra 7x Mobile Application also supports partial picking of SKUs that are a part of a case license plate to another location. In this case, scan the source case LPN and the SKU to pick, enter the quantity of SKU to pick, then enter the deposit location.

---

3. If the system suggests a deposit task, deposit the case into the system-suggested location. For more information about depositing cases, see Section 11.3.1, "Depositing SKUs into the Location".

11.3.1 Depositing SKUs into the Location

The Yantra 7x Mobile Application lets you deposit the SKUs that you picked into a scanned location or a system-suggested location.

To deposit a SKU:

1. In SKU, enter or scan the SKU to deposit.

Note: If the SKU scanned has inventory information such as tag number, serial number, expiration date, quantity from the barcode translation, you will not be prompted to capture the inventory information. Typically, a 2D barcode provides such inventory information on translation.

For example: If a tag-tracked item with lot number "L" has tag information from the barcode translation that the item belongs to lot "L", the Tag Entry window will not be displayed.

> **Note:** You can enter the tag attributes only if the node that is moving inventory is configured to capture the tag attributes in all node operations performed within the node. For more information about capturing the tag attributes, refer to the *Yantra 7x Platform Configuration Guide*.

2. In Location, enter or scan the location in which to deposit the SKU.

```
Deposit -    RTT-1
SKU
MOUSE
███████████████████
Quantity
1.00         EACH
Location
D1
[                    ]
[Go]  [ Deposit All ]
[ Exception ]  [ Drop Offs ]
```

3. Choose Go in the GUI mobile terminal to deposit the SKUs. If using the CUI mobile terminal, press F3. Once you deposit all SKUs, the Source screen appears. For more information about identifying the inventory to be moved, see Section 11.5, "Identifying the Inventory to Move".

4. Choose Deposit All in the GUI mobile terminal to deposit all SKUs. If using the CUI mobile terminal, press F6.

5. Choose Exception in the GUI mobile terminal to record deposit exceptions. If using the CUI mobile terminal, press F4. For more information about recording deposit exceptions, see Section 11.7, "Recording Deposit Exceptions".

> **Note:** The system creates a second step move task only when at least one of the following two conditions are met:
>
> - When the suggested and the actual deposit locations have different location types.
>
> - If the location type of the system-suggested deposit location is "STAGING" and the zone of the actual deposit location is different from the zone of the system-suggested deposit location.

Table 11–5 SKU Deposit Instruction Fields

Fields	
SKU	The item to deposit is displayed.
	Enter or scan the item to deposit.
Quantity	The quantity to deposit in inventory UOM is displayed.
Location	Enter or scan the location or container.
	If the location is scanned, the contents are dropped off into the location.
	If container LPN is scanned, the contents are placed into the container LPN.

11.4 Capturing the Equipment

To capture the equipment that is used for the move:

1. In Equipment #, enter or scan the equipment used to move inventory.

2. Choose Go in the GUI mobile terminal to scan inventory you want to move. If using the CUI mobile terminal, press F3. The Source window appears, which lets you enter the source location and inventory to be moved. For more information about identifying the inventory to be moved, see Section 11.5, "Identifying the Inventory to Move".

Table 11–6   Equipment Entry screen

Field	
Equipment #	Enter or scan the equipment ID.

11.5 Identifying the Inventory to Move

The Yantra 7x Mobile Application lets you move inventory from the source location or container, and loose SKU or LPN from a pallet.

1. In Location/Pallet/Case, enter or scan the source location, pallet, or case from which you want to move inventory.

2. In Item/Case/Pallet, enter or scan inventory you want to move.

   - If you scan a case or pallet, the same screen appears with location displayed. Enter or scan the next LPN or item you want to move.

   - If you scan a serial number, the same screen appears with location displayed. Enter or scan next serial, LPN or item you want to move.

   - If you scan an item:

     – If the location contains items that belong to different enterprises or have different UOM, Product Class, Inventory Status, Segment, Segment Type, Ship-By-Date, or Tag Number, the location inventory list appears. Select the item you want to move from the inventory list. For more information about viewing a list of location inventory, see Section 11.5.1, "Viewing Location Inventory List".

     – If not, enter or scan the item quantity you want to move. For more information about entering the quantity of SKU to be moved, see Section 11.6, "Entering SKU Quantity".

   Note: You can also scan a 1D/2D barcode in the Item/Case/Pallet field. If a 1D/2D barcode is captured in the SKU field, the information present as a part of the barcode is not captured again and the relevant screens will not appear.

3. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

4. Choose Deposit in the GUI mobile terminal to deposit pallets, cases or SKUs. If using the CUI mobile terminal, press F8.

   - For more information about depositing pallets, see Section 11.1.1, "Depositing Pallets into the Location".

- For more information about depositing cases, see Section 11.2.1, "Depositing Cases into the Location".

- For more information about depositing SKUs, see Section 11.3.1, "Depositing SKUs into the Location".

Troubleshooting Tip:

Problem

An error message, "No records found for the passed inputs" occurs.

Cause

While performing ad hoc moves, the system attempts to suggest a target location and create an ad hoc putaway task. To create this ad hoc task, the system refers to putaway strategy to determine the task type. However, the system will not determine the task type if all locations in the target zone are running full, or if a suitable location is not found to move the inventory.

Resolution

Configure the putaway strategy with a blank target zone. The system uses this configuration to determine the task type, and allows you to choose any valid location to move inventory. For more information about configuring putaway strategy, refer to the *Yantra 7x Warehouse Management System Configuration Guide*.

Table 11–7   Inventory Source Entry Fields

Fields	
Location/Pallet/Case	Enter or scan the source location, pallet, or case from which you want to move inventory.
Item/Case/Pallet	Enter or scan the item, case, or pallet you want to move.

Table 11–8   Inventory Source Barcode Types

Fields	
Location/Pallet	ManualMoveLocation.
Item/Case/Pallet	ManualMovePick

11.5.1 Viewing Location Inventory List

View a list of location inventory. Select the applicable inventory from the list and press the Enter key. The Quantity Entry screen appears. For more information about entering the quantity of SKU to be moved, see .
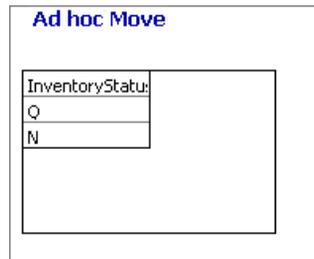
Table 11–9   Inventory List Fields

Fields	
Inventory Status	The inventory status.
(…..)	(see note)

> **Note:**   (…..) indicates that distinct inventory attributes are displayed for the scanned criteria.

11.6 Entering SKU Quantity

To enter the SKU quantity to be moved:

1. In Alternate UOM, enter or scan the item quantity.

2. In Inventory UOM, enter or scan the item quantity. For example, the basic UOM for a monitor is EACH, ROLL for metal sheets, Cubic Metres for a metal block.

Note: If the item's quantity information is obtained from the barcode translation, the UOM quantity is automatically displayed.

Ad hoc Move	
SKU	
21INTV	
21 Inches TV	
UOM	**Quantity**
PALLET	1
EACH	0.0
Total	
4.0	EACH

Go Deposit

3. Choose the Go button in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The Source screen appears, which lets you identify the inventory to be moved. For more information about identifying the inventory to be moved, see Section 11.5, "Identifying the Inventory to Move".

> **Note:** When the picked quantity is less than the quantity scanned from the barcode, an event "QTY_TRANSLATION_ OVERRIDE" associated with the "BARCODE_SCAN" transaction is raised.
>
> The XML published by the "QTY_TRANSLATION_ OVERRIDE" event is:
>
> <BarCode BarCodeData="" BarCodeType="" BarCodeTranslationSource="" TranslatedQuantity="" QuantityUsed="" EquipmentId="" LocationId="" />.

4. Choose Deposit in the GUI mobile terminal to deposit the pallets, cases or SKUs picked. If using the CUI mobile terminal, press F8.

   - For more information about depositing pallets, see Section 11.1.1, "Depositing Pallets into the Location".

   - For more information about depositing cases, see Section 11.2.1, "Depositing Cases into the Location".

   - For more information about depositing SKUs, see Section 11.3.1, "Depositing SKUs into the Location".

Table 11–10   SKU Quantity Entry Fields

Fields	
SKU	The item being moved is displayed.
	The item's description is displayed.

Table 11–10   SKU Quantity Entry Fields

Fields	
Alternate UOM	An operational UOM corresponding to the item is displayed.
	Quantity corresponding to the operational UOM is populated.
	The operational UOM is not visible if task quantity is less than alternate UOM's conversion quantity or when alternate UOM is not specified for the SKU.
Inventory UOM	Inventory UOM for the item is displayed.
	Quantity corresponding to the inventory UOM is populated.

11.7 Recording Deposit Exceptions

The Mobile Terminal lets you record deposit exceptions while depositing pallets, cases, or SKUs into a location.

To record deposit exceptions:

1. In Reason Code, enter or scan the reason code for the deposit exception.

```
Exception
Location
D1
SKU
MOUSE
Reason Code
▮

 Go   Back
```

2. Choose Go in the GUI mobile terminal to record deposit exceptions. If using CUI mobile terminal, press the F3 key.

3. To return to the previous window, choose Back in the GUI mobile terminal. If using CUI mobile terminal, press the F4 key.

Table 11–11   Deposit Exception Fields

Fields	
Location	The location for which the deposit exception is recorded.
Pallet/Case/SKU	The pallet LPN, case LPN, or SKU for which the deposit exception is recorded.
Reason Code	Enter the appropriate reason code for the exception.
	The exception reason code entered determines the action to be taken on the exception, such as Mark Target Location as full, Freeze for Putaway and Suggest Alternate Deposit Location
	Note: If the system cannot suggest an alternate location for deposit exception, deposit in the previously suggested location.

11.8 Viewing Drop Off Locations

The Mobile Terminal lets you view a list of system-suggested drop off locations to deposit pallets, cases, or SKUs. To return to the previous window, choose Prev View in the GUI mobile terminal. If using CUI mobile terminal, press the F7 key.

12
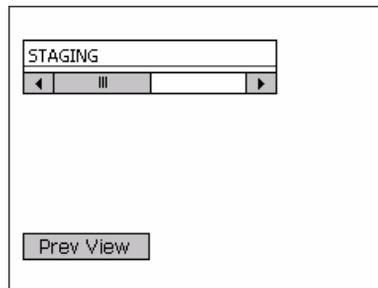
Building a Case or Pallet

The pallet build process allows a warehouse to build inventory, shipping, or load pallets required during the outbound process.

The over pack process allows a warehouse to pack cases required during the outbound process. It is possible to build either a shipping or inventory case as a part of this process.

The Yantra 7x Mobile Application console allows you to associate a container for a shipment and direct users to place the shipment cartons into the appropriate pallets or cases. A shipment can span multiple containers, which is also supported.

The process for building pallets and over packing is similar. This chapter describes how to build pallets and over pack cases using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

12.1 Choosing an Activity

The Yantra 7x Mobile Application lets you build inventory or shipping containers.

To build cases or pallets:

1. From the Menu page, select Over Pack (to build a case) or Container Build (Pallet) (to build a pallet), and press Enter. The Activity List window appears.
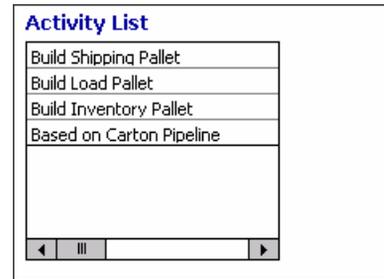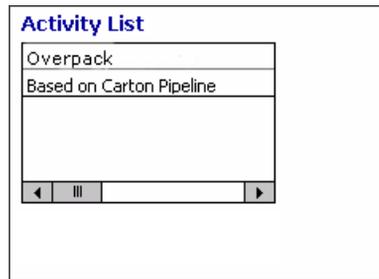
Activity List for Over Packing Cases   Activity List for Building Pallets

2. Select the appropriate activity and press Enter.

> **Note:** If the pipeline is defined for a node, choose Based on Carton Pipeline from the Activity List window while over packing cases or building pallets.

3. Scan the cases to be placed into the containers. For more information about scanning the case LPN, see Section 12.2, "Entering the Case LPN to Pack into the Container".

4. Scan the container which will contain the cases. For more information about scanning the container LPN, see Section 12.3, "Entering the Container into which Cases are Packed".

5. When all the cases have been added to the container, close the container. For more information about closing the container, see Section 12.4, "Closing the Container".

12.2 Entering the Case LPN to Pack into the Container

The Yantra 7x Mobile Application lets you scan the case LPN to add into the container.

To scan a case LPN:

1. In Case ID, enter or scan the case LPN to pack.

Container Build

Case ID

[   ]

Go
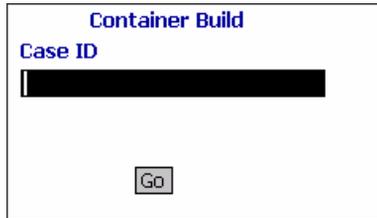
2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

- If you have scanned the case LPN, enter the container and the location in which to pack the cases. For more information about building containers in a location, see Section 12.3, "Entering the Container into which Cases are Packed".

- If you have not scanned the case LPN or container SCM, the container is closed without building the container. For more information about closing containers, see Section 12.4, "Closing the Container".

Table 12–1   Scan Case LPN Field

Field	
Case ID	Enter or scan the case LPN or container SCM.

Table 12–2   Case LPN Barcode Type

Field	
Case ID	ShippingCarton

12.3 Entering the Container into which Cases are Packed

The Yantra 7x Mobile Application lets you scan the container which will contain the cases.

The outermost container is determined based on the activity being performed and the building preferences associated with the activity.

> **Note:** If you are building a container, you can only select a pallet as the container in which to pack the case scanned before.
>
> If you are over packing a container, you can only select a case as the container in which to over pack the other case scanned before.

To select a container which will contain the cases:

1. In Container SCM, enter or scan the container SCM or number.

   - If the container SCM that you scanned matches the system-suggested container SCM, the system automatically adds all scanned cases into a case. The system suggests to scan the next case, if available. For more information about scanning the case LPN, see Section 12.2, "Entering the Case LPN to Pack into the Container".
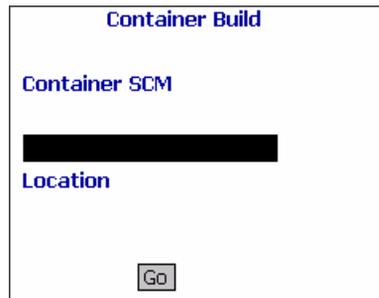
   - If you do not want to use the system-suggested container SCM, scan a new container SCM for the case. The system automatically captures the location to build the container.

Container Build

Container SCM

00122200000000000001
Location

[   ]
Go

2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The system suggests to scan the next case LPN, if available. For more information about scanning the case LPN, see Section 12.2, "Entering the Case LPN to Pack into the Container".

Table 12–3   Scan Container Fields

Fields	
Container SCM	The case container SCM as scanned earlier.
Location	The last location is automatically populated by the system. Enter or scan the location where the case container SCM is located.

Table 12–4   Scan Container Barcode Types

Fields	
Container SCM	ShippingContainer
Location	Location

12.4 Closing the Container

To close a container:

1. In Container SCM, enter or scan the case container SCM.
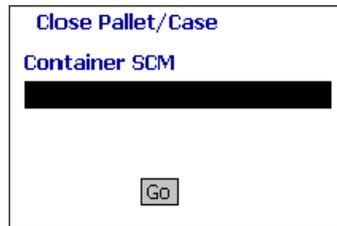
Close Pallet/Case

Container SCM

▊▊▊▊▊▊▊▊▊▊▊▊▊▊▊

Go

2. Choose Go in the GUI mobile terminal to close the container. If using the CUI mobile terminal, press F3.

Table 12–5   Close Container Entry Field

Field	
Container SCM	Enter or scan the case container SCM.

Table 12–6   Close Container Barcode Type

Field	
Container SCM	ShippingContainer

13

Undoing Container Build

Over pack containers may be built during the packing process. If a warehouse wants to build these over pack containers differently, they could remove selected cases from the over pack container.

This chapter describes how to undo container build using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

13.1 Undoing a Container Build

You can remove cases from an over pack inventory or shipping container.

To remove cases packaged in a container:

1. From the Menu page, select Undo Container Build and press Enter. The Undo Container Build window appears.

> **Note:** If you want to log out, choose the Logout button. The Login window appears. For more information about Logging in to the Mobile Terminal, see Chapter 3, "Logging in to the Yantra 7x Mobile Application".

2. In Container SCM, enter or scan the parent Container SCM.

3. In Case ID, enter or scan the CHILD case LPN you want to remove from the container.

4. Choose Go in the GUI mobile terminal to remove the case from the container. If using the CUI mobile terminal, press F3.

Table 13–1   Undo Container Build Fields

Fields	
Container SCM	The license plate number of the over pack container.
Case ID	The case LPN to be removed from the over pack container.

Table 13–2   Undo Container Build Barcode Type

Fields	
Container SCM	ShippingContainer
Case ID	ShippingCarton

Note: If a parent shipment container has 2 child containers, then to remove both child containers from the parent, the user need not scan the parent container along with the child containers. The user can scan only the parent container in "Container SCM" field without scanning the Case ID.

14

Trailer Loading

Process decisions are seldom as simple as they seem on the surface, and decisions related to loading trucks are no exception. From manually floor loading parcels, to loading reusable containers into trailers with fully automated loading systems, loading decisions must seek to balance productivity, safety, transportation costs, equipment costs, and product protection.

With the diversity of products and services offered today, it is possible that a single operation may need to accommodate parcel carriers, rail cars, truckload (TL) carriers, less-than-truckload (LTL) carriers, overseas containers, and local delivery trucks. Loads may consist of bulk materials, palletized loads, non-palletized unitized loads, parcels, crates, totes, drums, carts, rolls, bundles, and loose oversized items. Loads may require special material handling equipment such as, roll clamps, slip-sheet devices, carton clamps, or drum-handling devices.

Once the cartons are packed, deliver the cartons to shipping for trailer loading.

This chapter describes how to load a container into the trailer using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

14.1 Capturing Load and Trailer Details

To capture load and trailer details:

1. From the Menu page, select Trailer Load and press Enter. The Trailer Loading window appears.

> **Note:** If you want to log out, choose the Logout button. The Login window appears. For more information about Logging in to the Mobile Terminal, see Chapter 3, "Logging in to the Yantra 7x Mobile Application".

2. In Trailer, enter or scan the trailer number.

3. In Load, enter or scan the load number.

```
              Trailer Loading
Trailer

|

Load



             Go
```

4. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. You can load a container into the trailer. See Section 14.2, "Loading a Container into the Trailer".

Table 14–1   Load and Trailer Entry Fields

Fields	
Trailer	Enter or scan the trailer number.
	This field is not mandatory.
Load	Enter or scan the load to load into the trailer.
	This field is not mandatory.

14.2 Loading a Container into the Trailer

To load a container into the tailer:

1. In Container SCM, enter or scan the container number. The system automatically displays the trailer number.

Trailer Loading

Container SCM

▮

Location

Trailer

2. Rescan the trailer number associated with the container SCM, if applicable. The system automatically loads the container to the trailer that you scanned.

3. Choose Back in the GUI mobile terminal. You are returned to the previous screen. If using the CUI mobile terminal, press F4. The system suggests to scan the next trailer number or load number.

Table 14–2   Trailer Loading Fields

Fields	
Container SCM	Scan the container SCM to be loaded onto to the trailer.
	The container SCM scanned is validated against the load or trailer number scanned earlier for accuracy.
Trailer	The trailer number is automatically populated by the system, if trailer number is marked on the shipment or another container for the shipment has already been scanned into the trailer.
	Enter or scan the trailer number.

Table 14—3   Trailer Barcode Types

Fields	
Container SCM	ShippingContainer

15

Requesting Specific Tasks by Type

This chapter explains how to use the Yantra 7x Mobile Application to choose a specific type of task to perform.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

15.1 Selecting a Task Type

You can select a specific type of task to perform.

To select a task type:

1. From the Menu page, select Request Task By Type and press Enter. The Task Types window displays.
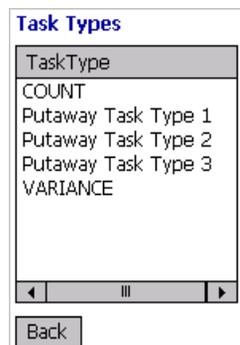
2. Select the task type that you want to perform and press Enter.

a. If you select the Putaway Task Type, the Criteria window for putaway displays, where you can enter the additional criteria to perform putaway tasks. For more information about performing putaway tasks, see Chapter 7, "Performing Putaway".

b. If you select the Count Task Type, the Criteria window for count displays, where you can enter the additional criteria to perform count tasks. For more information about performing count tasks, see Chapter 9, "Performing Count".

c. If you select the Retrieval Task Type, the Criteria window for retrieval displays, where you can enter the additional criteria to perform retrieval tasks. For more information about performing retrieval tasks, see Chapter 8, "Performing Retrieval or Replenishment".

d. If you select the Replenishment Task Type, the Criteria window for replenishment displays, where you can enter the additional criteria to perform replenishment tasks. For more information about performing replenishing tasks, see Chapter 8, "Performing Retrieval or Replenishment".

e. If you select the Outbound Pick Task Type, the Criteria window for outbound pick displays, where you can enter the additional criteria to perform outbound pick tasks. For more information about performing outbound pick tasks, see Chapter 10, "Picking Inventory".

3. Choose Back in the GUI mobile terminal. The Menu page displays. If using the CUI mobile terminal, press F10.

16

Inquiring About Inventory

This chapter explains how you can use the mobile terminal to:

- Inquire about inventory that exist in a location.
- Inquire about items packaged into an inventory container.
- Locate specific serial of a serialized item.
- Inquire about inventory availability for an item.
- Inquire about shipment information for an outbound container.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

16.1 Entering the Inquiry Criteria

You can enter the inventory inquiry criteria to inquire about inventory that exist in a location, license plated pallets or cases, outbound container, items, or serialized items.

To enter the inquiry criteria:

1. From the Menu page, select Inventory Inquiry and press Enter. The Inventory Inquiry screen appears.

Inventory Inquiry

Location/Serial #
Case ID/Pallet ID
Item ID

[   ]

Go

2. Do any of the following:

   a. To inquire about inventory existing in a location, scan a location. For more information about the location inventory inquiry, see Section 16.1.1, "Inquiring About Existing Inventory in a Location".

   b. To inquire about inventory for a serialized item, scan the item's serial number. For more information about inquiring about inventory for a serialized item, see Section 16.1.2, "Inquiring About Inventory for Serialized Items".

   c. To inquire about inventory for license plated pallets or cases, scan the pallet LPN or case LPN. For more information about inquiring about license plated pallets or cases, see Section 16.1.3, "Inquiring About Inventory for License Plated Pallets or Cases".

   d. To inquire about the shipment information for an outbound container, scan the outbound container SCM. For more information about inquiring about outbound container, see Section 16.1.4, "Inquiring About the Shipment Information for an Outbound Container".

   e. To inquire about inventory for an item, scan the item identifier. For more information about inquiring about item details, see Section 16.1.5, "Inquiring About Inventory for an Item".

3. Choose Go in the GUI mobile terminal. The Menu page appears. If using the CUI mobile terminal, press F3.

16.1.1 Inquiring About Existing Inventory in a Location

You can inquire about inventory that exist in a specific location.

To inquire about a location's inventory:

1. In Location/Serial#/Case ID/Pallet ID/Item ID, scan a location. The Location Inventory screen appears, which provides visibility into all items that exist in a location. The field descriptions are explained in the Location Inventory table.

a. Select any row from the list of items for which you want to view details. The Item Inv Details screen appears. The field descriptions are explained in the Item Inventory Details table.

b. Choose Containers in the GUI mobile terminal to view the outer most containers existing in the location. If using the CUI mobile terminal, press F8. The Containers screen appears. The field descriptions are explained in the Container table.
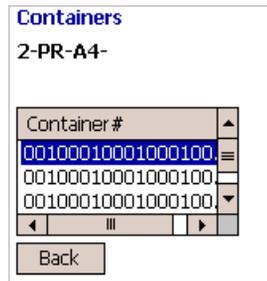
   c. Select any container from the list to view details.

- If the container contains only one item, the Item Inv Details screen appears. The field descriptions are explained in the Item Inventory Details table.

- If the container contains more than one item, the Inventory Container screen appears. The field descriptions are explained in the Inventory Container table.
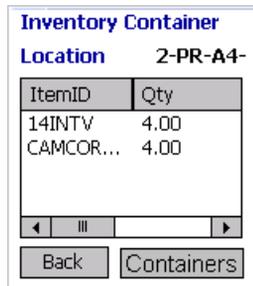
      – Select any item from the list, the Item Inv Details screen appears. The field descriptions are explained in the Item Inventory Details table.

      – Choose Containers in the GUI mobile terminal to view the child LPNs. If using the CUI mobile terminal, press F8. The Containers screen appears. The field descriptions are explained in the Container table.

> **Note:** A "++ More ++" message displays in both the GUI and CUI mobile terminals only if the location contains more than seven items.
>
> You can view all items that exist in the location in the Location Inventory List window. For more information about viewing all items that exist in a location, see the *Yantra 7x Warehouse Management System User Guide.*

Table 16–1   Location Inventory

Fields	
The location you scanned displays.	
Item ID	The item identifier.
Quantity	Number of units of the item on hand.
UOM	The item's unit of measure.
PC	The item's product class.
	Indicates the item's inventory categorization. Orders are placed for an item and product class. Typical examples are IRREGULAR or FD (Factory Defects).
Status	The item's inventory status.
	The inventory status of an item indicates the inventory sub-classification. Typical values are: ONHAND or HELD.

Table 16–2   Item Inventory Details

Fields	
The location in which the item exist displays.	
The container number displays, if applicable.	
Item ID	The item identifier.
	A brief description of the item displays.
Qty	Number of units of the item that are on hand.
	The item's unit of measure displays.

Table 16–2   Item Inventory Details

Fields	
PC	The item's product class.
	Indicates the item's inventory categorization. Orders are placed for an item and product class. Typical examples are IRREGULAR, FD (Factory Defects).
Status	The item's inventory status.
	The inventory status of an item indicates the inventory sub-classification. Typical values are: ONHAND or HELD.
Pend Out Qty	Number of units of the item that have open tasks.

Table 16–3   Container

Field	
The location you scanned displays.	
Containers	The outer most containers existing in the location or the child LPNs contained in the container displays, as applicable.

Table 16–4   Inventory Container

Fields	
The container number that you selected displays.	
The location in which the container exist displays.	
Item ID	The item identifier.
	A brief description of the item is displayed.
Qty	Number of units of the item that are on hand.

Table 16–4   Inventory Container

Fields	
PC	The item's product class.
	Indicates the item's inventory categorization. Orders are placed for an item and product class. Typical examples are IRREGULAR or FD (Factory Defects).
Status	The item's inventory status.
	The inventory status of an item indicates the inventory sub-classification. Typical values are: ONHAND or HELD.

16.1.2 Inquiring About Inventory for Serialized Items

You can inquire about inventory for serialized items.

To inquire about inventory for a serialized item:

1. In Location/Serial#/Case ID/Pallet ID/Item ID, scan the serial number. The Item Inv Details screen appears. The field descriptions are explained in the Item Inventory Details table.

2. Choose Back in the GUI mobile terminal. The Inventory Inquiry screen appears. If using the CUI mobile terminal, press F4.

16.1.3 Inquiring About Inventory for License Plated Pallets or Cases

You can inquire about existing inventory in a license plated pallets or cases.

To inquire about existing inventory in a license plated pallet or case:

1. In Location/Serial#/Case ID/Pallet ID/Item ID, scan the pallet ID or case ID.

   a. If you scan a container that contains a single item, the Inventory Container screen appears. The field descriptions are explained in the Inventory Container table.

   b. If you scan a container that contains multiple items, the Inventory Container screen appears. The field descriptions are explained in the Multiple SKU, Inventory Container table. Select any row from the list of items for which you want to view the details. The Item

Inv Details screen appears. The field descriptions are explained in the Item Inventory Details table.

c. If you scan a container that contains multiple cases, the Inventory Container screen appears. To view the child containers, choose Containers in the GUI mobile terminal. If using the CUI mobile terminal, press F8. The field descriptions are explained in the Multiple Cases, Inventory Container table. Select any row from the list of items for which you want to view the details. The Item Inv Details screen appears. The field descriptions are explained in the Item Inventory Details table.

Table 16–5   Multiple SKU, Inventory Container

Fields	
The location identifier displays.	
Item ID	The item identifier.
Quantity	Number of units of the item on hand.
UOM	The item's unit of measure.
PC	The item's product class.
	Indicates the item's inventory categorization. Orders are placed for an item and product class. Typical examples are IRREGULAR or FD (Factory Defects).
Status	The item's inventory status.
	The inventory status of an item indicates the inventory sub-classification. Typical values are ONHAND or HELD.

Table 16–6   Multiple Cases, Inventory Container

Fields	
The location identifier displays.	
Item ID	The item identifier.
Quantity	Number of units of the item on hand.
UOM	The item's unit of measure.

Table 16–6   Multiple Cases, Inventory Container

Fields	
PC	The item's product class.
	Indicates the item's inventory categorization. Orders are placed for an item and product class. Typical examples are IRREGULAR or FD (Factory Defects).
Status	The item's inventory status.
	The inventory status of an item indicates the inventory sub-classification. Typical values are ONHAND or HELD.

16.1.4 Inquiring About the Shipment Information for an Outbound Container

You can inquire about the shipment information for an outbound container.

To inquire about the shipment information for an outbound container:

1. In Location/Serial#/Case ID/Pallet ID/Item ID, scan the outbound container SCM. The Outbound Container screen appears. The field descriptions are explained in the Outbound Container table.
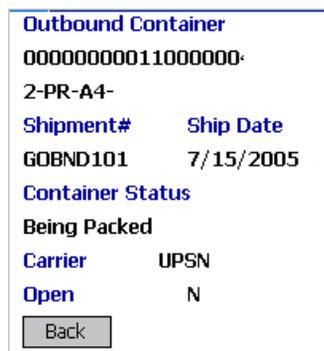

```
Outbound Container
00000000011000000·
2-PR-A4-
Shipment#      Ship Date
GOBND101     7/15/2005
Container Status
Being Packed
Carrier        UPSN
Open           N
 Back
```

2. Choose Back in the GUI mobile terminal. The Inventory Inquiry screen appears. If using the CUI mobile terminal, press F4.

Table 16—7   Outbound Container

Fields	
The container SCM displays.	
The location in which the outbound container exist displays.	
Shipment#	The shipment number associated with the outbound container.
Ship Date	The date the container must ship.
Container Status	The current status of the container.
Carrier	The carrier service used to ship the container.
Open Tasks	Indicates whether there are any open tasks associated with the outbound container.

16.1.5 Inquiring About Inventory for an Item

You can inquire about inventory for any item.

To inquire about inventory for an item:

1. In Location/Serial#/Case ID/Pallet ID/Item ID, scan the item identifier. The Item Inventory screen appears.
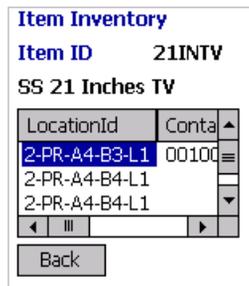
a. If the item exist in multiple locations, the Item Inventory screen appears. The field descriptions are explained in the Item Inventory table. Select any row from the list locations for which you want to view the details. The Item Inv Details screen appears. The field descriptions are explained in the Item Inventory Details table.

b. If the item exist in a single location, and has the same product class or unit of measure, the Item Inv Details screen appears. The field descriptions are explained in the Item Inventory Details table.

2. Choose Back in the GUI mobile terminal. The Inventory Inquiry screen appears. If using the CUI mobile terminal, press F4.

Table 16–8 Item Inventory

Fields	
Item ID	The item identifier.
	A brief description of the item.
Location	The location where the item exist.
Qty	Number of units of the item on hand.
UOM	The item's unit of measure.
PC	The item's product class.
	Indicates the item's inventory categorization. Orders are placed for an item and product class. Typical examples are IRREGULAR or FD (Factory Defects).
Status	The item's inventory status.
	The inventory status of an item indicates the inventory sub-classification. Typical values are ONHAND or HELD.

Note: A "++ More ++" message displays in both the GUI and CUI mobile terminals only if more than seven items exist in a location.

You can view all items that exist in the location in the Location Inventory List window. For more information about viewing all items that exist in a location, see the *Yantra 7x Warehouse Management System User Guide.*

17

Performing Force Moves

This chapter describes how to move products that are already allocated against another task using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

When you move products that are already allocated, the system automatically cancels the corresponding putaway task for those products.

To move the allocated products into a location, from the Menu page, select Force Move and press Enter. The Force Move window appears, which lets you enter the equipment used.

For more information about moving and depositing inventory into a location using the Yantra 7x Mobile Application, see Chapter 11, "Performing Ad hoc Moves".

18

Performing Manual Count

This chapter explains how you can use the Yantra 7x Mobile Application to perform a manual count for inventory present in a location, case or pallet.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

To perform a manual count task:

1. From the Menu page, select Manual Count and press Enter. The Manual Count screen appears.
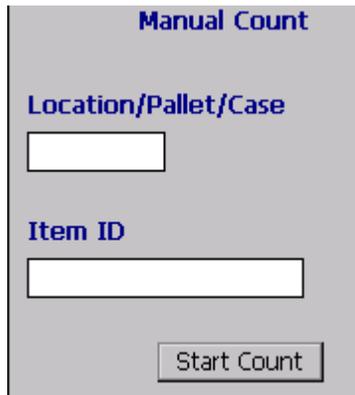
2. In Location/Pallet/Case, enter or scan the location, pallet, or case.

3. In Item ID, enter or scan the item's identifier, if applicable.

4. Choose Start Count in the GUI mobile terminal to count a location, pallet or case. If using the CUI mobile terminal, press F3.

Table 18–1   Location and Item ID Entry Fields

Fields	
Location/Pallet/Case	Enter the location or pallet or case to count.
Item ID	Enter the item's identifier.

5. If the count operation is at the item level, select or enter the enterprise to which the item belongs. The Pallet/Case entry screen appears.

For more information about selecting an enterprise for the count operation, see Section 9.3.3.1, "Entering an Enterprise".

6. In Pallet/Case, scan or enter the pallet or case LPN.

Table 18–2   Count Task Entry Fields

Fields	
Location	The system displays the location to count, if applicable.
	Enter the location you want to count, if applicable.

Table 18–2   Count Task Entry Fields

Fields	
Item ID/Item Category	The item's identifier or item categories to be counted. A maximum of three item categories may be displayed based on the task suggested.
Pallet/Case	The pallet or case LPN expected to be counted populates, if applicable.
	Enter the pallet or case LPN at the location, if applicable.

7. The Case/Item Entry screen appears. Enter the count task details. For more information about recording count task details, see Section 9.3.3.3, "Entering Count Task Details".

19

Inducting a Tote

This chapter explains how you can use the mobile terminal to induct a tote and associate it with a container, shipment, or a batch.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

> **Note:** To extend the induct tote functionality, in the Yantra 7x Configurator, copy and save the rfinducttoteD1 resource. In the Java Server Page field, /extn/rf/wms/inducttote/frmInductToteCriteria.jsp?MandateTaskReference=<Value> displays. Set the value of the MandateTaskReference attribute.
>
> For more information about setting the attribute value, see Table 19–2.

You can induct a tote by associating the tote identifier with a batch number, carton number, or shipment number.

To induct a tote:

1. From the Menu page, select Induct Tote and press Enter. The Induct Tote screen appears.

2. In Tote ID, scan the tote's identifier.

Induct Tote

Tote ID

[   ]

Task Reference #

[   ]

[Induct Tote]

3. In Task Reference #:

- If you are inducting a batch, scan the batch number.

- If you are inducting a carton, scan the carton SCM.

- If you are inducting a shipment, scan the shipment number.

4. Choose Induct Tote to associate the tote identifier to the task reference number.

   To view the last tote that was inducted, with the appropriate task reference number, press F7.

Table 19–1   Induct Tote Information Enty Field

Fields	
Tote ID	Enter the tote's identifier.
Task Reference #	Enter the reference number to associate the tote to a batch number, carton SCM, or shipment number.
	If you do not specify the task reference number, the system automatically selects the next open task reference.
	The next open task is suggested based on three criteria:
	• User Skills - Tasks that a user can do.
	• Primary Task Reference - Batch, Shipment or Carton Number.
	• Status of all tasks for the PrimaryTask Reference - Open.

Table 19–2   Induct Tote Attribute

MandateTaskReference	Behavior
Y	Scanning the task reference number is mandatory.
N	Scanning task reference number is not mandatory.

20

Sorting Inventory

Warehouses often sort inventory before performing putaway tasks.

This chapter explains how to sort inventory to be put away using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

> **Note:** You can extend the sort inventory functionality to different activity groups such as INSPECTION and INVENTORY_SORTING. To extend the sort inventory functionality, copy and save the rfsortinventoryD1 resource and change the JSP name to /extn/rf/wms/sortinventory/frmSortInventoryStart.jsp?ActivityCode=<Some other Activity>&ActivityGroupId=<Some other requesting activity Group>. For example, frmMMEquipment.jsp?ActivityCode= QC&ActivityGroupId=INVENTORY_SORTING.

20.1 Specifying the Sort Station

You can specify the sort station where you want to sort inventory.

To specify the sort station:

1. From the Menu page, select Sort Inventory and press Enter. The Sorting screen appears.

Sorting

Sort Station

2. In Sort Station, enter or scan the station's identifier. Ensure that the sort station is modelled as an equipment with multiple physical and logical locations.

3. Press Tab in the GUI or CUI mobile terminal.

    • If open containers are present at the sort station, the Confirmation screen appears. For more information on closing open containers, see Section 20.2, "Closing Open Containers".

    • If there are no open containers, the Scan Inventory screen appears. For more information on scanning inventory, see Section 20.4, "Sorting for Multiple Activities".

Table 20–1   Sorting

Fields	
Sort Station	Enter the sort station's identifier where you want to sort inventory.

20.2 Closing Open Containers

If the system detects that open containers are present at the sort station, confirm if you want to close all open containers.

In the Confirmation screen, choose YES or press Enter, if you want to close all open containers present at the sort station. Otherwise, choose NO.

The Scan Inventory screen appears. See Section 20.3, "Entering Inventory Information".

Confirmation

Open Sorted Containers exist in the Station.Do you want to Close all the Open Containers

YES   NO

20.3 Entering Inventory Information

The Yantra 7x Mobile Application lets you enter or scan the inventory information and quantity for loose inventory that you want to putaway.

To enter or scan the inventory information:

1. In Item/Case, enter or scan the item's identifier, case or pallet LPN.

Scan Inventory

Item/Case
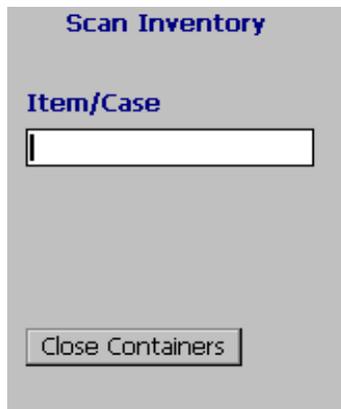
Close Containers

2. Choose Close Containers to close any open containers that are present at the sort station.

   3. Press Tab in the GUI or CUI mobile terminal.

   - If you scan loose SKU, in the Scan Inventory screen, enter the SKU quantity you want to sort. The Scan Container screen appears. Scan the pallet and location details. For more information on scanning pallet and location information, see Section 20.5, "Sorting into Case, Pallet, or Location".

   > **Note:** All locations that are associated with the sort station must have the same in-staging location. This in-staging location is considered as the source location for loose SKUs, when sorting inventory before putaway.

   - If the case or pallet you scanned requires splitting, the Scan Item screen appears. Scan the items present in the case. For information about sorting items, see Section 20.4, "Sorting for Multiple Activities".
   - If the case or pallet you scanned does not require splitting, the Scan Container screen appears. Scan the pallet and location details. For more information about scanning pallet and location details, see Section 20.5, "Sorting into Case, Pallet, or Location".

Table 20–2   Scan Inventory

Fields	
Item/Case	Enter the item's identifier (such as UPC code, or serial number), pallet identifier, or case identifier of the item.

20.4 Sorting for Multiple Activities

If the inventory is sorted for multiple activities:

   1. In the Item/Serial field, enter or scan the item's identifier or serial number of the item present in the case you want to putaway.

   > **Note:** If a scanned item can be deposited more optimally later, the Previous Scan field is updated with the scanned item.

Scan Item

Previous Scan

Item/Serial
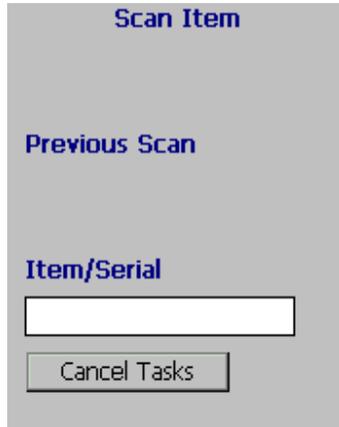
Cancel Tasks

2. Chose Cancel Task, if you want to cancel all tasks that are suggested to the user.

3. Press Tab in the GUI or CUI mobile terminal.

Table 20–3   Scan Item

Fields	
Item/Serial	Enter or scan the serial number or the item identifier.

20.5 Sorting into Case, Pallet, or Location

Specify the pallet, case, or location into which you want to sort inventory.

To sort inventory:

1. In Scan New Pallet, enter the new pallet or case LPN only if pallets or cases are not present at the sort location.

Scan Container
PACK-ZONE ——————————— Target Zone for putaway
90INTV ——————————— Display Item ID
Display Item ID—— SS 90 Inches TV ————
Description
1.00   EACH ———— UOM
Scan New Pallet

Scan Location

2. In Scan Location, enter the sort location, if applicable.

3. Press Tab in the GUI or CUI mobile terminal.

   - If the case you scanned in the Scan Inventory screen has contents that need to be put away individually, the Scan Item screen appears. For more information about entering the item information, see Section 20.4, "Sorting for Multiple Activities".

   - If you want to put away the remaining inventory that is present in the case or put away an entire case, the Scan Container screen appears. Scan the suggested container number and sort location.

Scan Container

P-RACK-ZONE-SS

00000000000000000C01 ——————— Case to be putaway

00165478965412365547 ——————— Sorting container

VAS-LOCATION-2
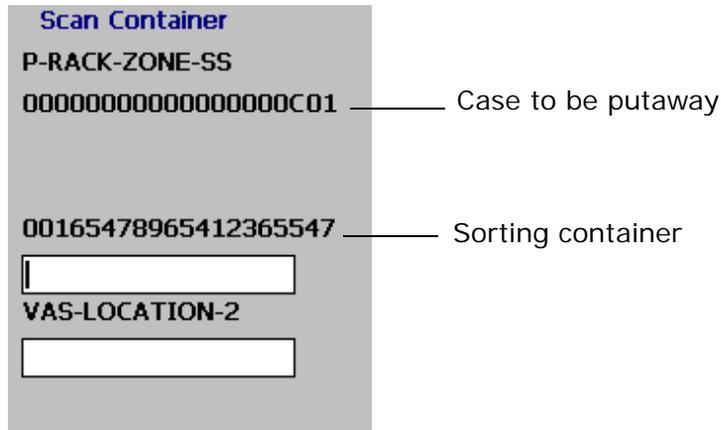
4. If the pallet or case suggested for sorting is full, scan a new pallet or case. When you scan a new pallet or case, the system closes the suggested pallet or case.

Table 20–4   Scan Container

Fields	
Scan New Pallet	The system displays the suggested pallet or case LPN, if applicable.
	Enter the pallet or case LPN into where the quantity is sorted.
Sort Location	The system displays the suggested sort location, if applicable.
	Enter the sort location, if applicable.
Zone	Target Zone for putaway.
Display Item ID	Enter the item's identifier, or serial number.
	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item's identifier displays. Otherwise, the item's identifier displays.
	For more information on this user exit, refer to the *Yantra 7x Javadocs*.

Table 20–4   Scan Container

Fields	
Display Item ID Description	If you implement the YCMGetDisplayItemAttributesUE user exit, the user-defined item's description displays. Otherwise, the item's description displays. For more information on this user exit, refer to the *Yantra 7x Javadocs*.
UOM	The unit of measure of the item.

21

Inducting a Cart

You can associate a cart that is used for picking inventory to a batch number. This process is called inducting a cart.

This chapter explains how you can use the Yantra 7x Mobile Application to induct a cart and associate it with a batch.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

> **Note:** You can extend the induct cart functionality provided in Yantra 7x. To extend the induct cart functionality, copy and save the rfinductcartD1 resource. In the Java Server Page field, frmInductCartCriteria.jsp?MandateBatch=<Value>&StartPick=<Value> displays. Set the values of MandateBatch and StartPick attributes.
>
> For more information about setting the attributes, see Table 21–2.

The process for inducting a cart is based on certain attributes. For a list of defined attributes, see Table 21–2.

You can induct a cart by associating the cart identifier with a batch number.

To induct a cart:

1. From the Menu page, select Induct Cart and press Enter. The Induct Cart screen appears.

2. In Cart ID, scan the tote identifier.

Induct Cart

Cart ID

Batch #

3. In Batch #, enter or scan the batch number, if applicable.

4. Press Tab in the GUI or CUI mobile terminal to associate the cart identifier to the batch number.

   - If your system administrator has set the value of the StartPick attribute to "Y", you can start picking inventory for the cart. For more information about picking inventory, see Chapter 23, "Picking Inventory into a Cart".

   - Otherwise, the Induct Cart screen reappears. Scan the next cart's identifier.

Table 21–1   Induct Cart Fields

Fields	
Cart ID	Enter the cart's identifier.
Batch #	Enter the batch number to associate the cart to a batch, if applicable.

Table 21–2   Induct Cart Attributes

MandateBatch	StartPick	Behavior
Y	Y	Scanning the batch number is mandatory. Pick inventory for the cart immediately after inducting the cart.
Y	N	Scanning batch number is mandatory.
N	Y	Scanning batch number is not allowed. Automatically induct the cart to the next available batch and start picking inventory for the cart immediately after inducting the cart.
N	N	Scanning batch number is not allowed. Automatically induct the cart to the next available batch .

22

Manually Building a Cart

This chapter explains how you can use the Yantra 7x Mobile Application to build a cart.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

> **Note:** You can extend the build cart functionality provided in Yantra 7x. To extend the build cart functionality, in the Yantra 7x Configurator, copy and save the rfcartbuildD1 resource. In the Java Server Page field, /extn/rf/wms/cart/frmCartBuildCriteria.jsp?MandateZone= <Value> displays. Set the value for the MandateZone attribute.
>
> For more information about setting the attribute value, see Table 22–3.

22.1 Entering Criteria to Build a Cart

You can manually build a cart by associating cart locations to a set of totes, cartons, or shipments. You can associate each cart location to one or more totes, cartons, or shipments.

To manually build a cart:

1. From the Menu page, select Cart Build and press Enter. The Criteria screen appears.

2. In Cart ID, enter or scan the cart's identifier.

Make sure that the cart identifier is modelled as an equipment with a single physical location in the Yantra 7x Configurator. For more information about modelling a cart as an equipment, refer to the *Yantra 7x Warehouse Management System Configuration Guide*.

3. In Location/Zone, enter or scan the zone from where you want to pick inventory, if applicable.

   If you scan the location identifier or location barcode, the system internally identifies the zone.

4. Choose Go or press Tab in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The Build Cart screen appears. See Section 22.2, "Building the Cart".

Table 22–1   The Cart and Location Entry Fields

Fields	
Cart ID	Enter the cart's identifier.
Location/Zone	Enter the location identifier, location barcode or zone.

22.2 Building the Cart

To associate the shipment, carton, or tote to the cart location:

1. In Task Reference #, enter the task reference number.

Build Cart

Task Reference #

Cart Location ID

Go   Done

Start Pick

2. In Cart Location ID, enter the cart location's identifier.

3. Choose Go or press Tab in the GUI mobile terminal to continue building the cart. If using the CUI mobile terminal, press F3.

4. Choose Done in the GUI mobile terminal to indicate the completion of the cart build task. If using the CUI mobile terminal, press F8.

5. Choose Start Pick to perform cart manifest picking for the cart that you have already built. If using the CUI mobile terminal, press F9.

Table 22–2   The Task Reference and Cart Location Entry Fields

Fields	
Task Reference #	Enter the tote identifier, carton SCM or shipment number.
Cart Location ID	Enter the cart location's identifier.

Table 22–3   Build Cart Attribute

MandateZone	Behavior
Y	Scanning the batch number is mandatory.
N	Scanning batch number is not mandatory.

23

Picking Inventory into a Cart

In earlier releases, you could pick inventory only through printed batch sheets. Now, you can pick inventory using the Yantra 7x Mobile Application.

This chapter explains how to pick inventory into a cart using the Yantra 7x Mobile Application.

For more information about the Yantra 7x Mobile Application Console Framework, see Chapter 2, "Understanding the Yantra 7x Mobile Application Console Framework".

23.1 Entering the Cart Identifier

To enter the identifier of the cart:

1. From the Menu page, select Cart Pick and press Enter. The Criteria screen appears.

2. In Cart ID, enter or scan the cart's identifier.

   Make sure that the cart is modelled as an equipment with a single physical location and multiple logical locations. For more information about modelling a cart as an equipment, refer to the *Yantra 7x Warehouse Management System Configuration Guide*.

Criteria

Cart ID

Go

3. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The Cart Pick screen appears.

Table 23–1   The Criteria Field

Fields	
Cart ID	Enter the cart's identifier.

23.2 Entering the Item Details

To enter the item details:

1. In Location, enter or scan the location where inventory is present, if applicable.

> **Note:**   You will be able to scan the inventory location only if the Force Location Scan on Visit box is checked in the Yantra 7x Configurator. For more information about this check box, refer to the *Yantra 7x Warehouse Management System Configuration Guide*.

Cart Pick

1-PR-A1-B1-L1 ———————————— Location

1-PR-A1-B1-L1

90INTV

90 Inches TV ———————————— Display Item Description

[   ] ———————————— Display Item ID

UOM ———————— EACH   [2.0] ———————— Quantity

= EACH   2.00

[Go] [Exception] [Close Cart]
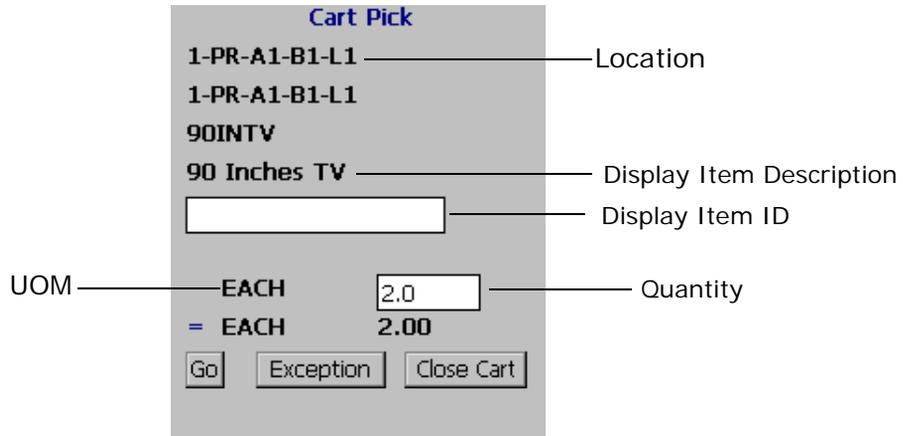
2. In Item ID, you can either enter or scan a barcode and/or any additional item inventory attributes.

3. Choose Go, in the GUI mobile terminal. If using the CUI mobile terminal, press F3. The Sort screen appears. For more information about sorting inventory into the cart, see Section 23.4, "Sorting Inventory into a Tote, Case, or an Equipment".

4. Choose Exception to record pick exceptions. If using the CUI mobile terminal, press F6. The Exception screen appears. For more information about recording pick exceptions, see Section 23.3, "Recording Pick Exceptions".

5. Choose Close Cart in the GUI mobile terminal, if you do not want to pick any more inventory for the cart. If using the CUI mobile terminal, press the F4 key.

Table 23–2   Cart Pick Fields

Fields	
Location	The system displays suggested location.
	Enter the inventory location, if applicable.
Display Item ID	Enter the item's identifier or serial number.
	If you implement the YCMGetDisplayItemAttributesUE user exit, the user defined item's identifier displays. Otherwise, the item's identifier displays.
	For more information on the user exit, refer to the *Yantra 7x Javadocs*.
Display Item Description	If you implement the YCMGetDisplayItemAttributesUE user exit, the user defined item's description displays. Otherwise, the item's description displays.
	For more information on the user exit, refer to the *Yantra 7x Javadocs*.
UOM	An alternate UOM and/or the inventory UOM corresponding to the item populates, if applicable.
Quantity	The task quantity displays in terms of UOM or alternate UOM, if applicable.
	Enter the quantity, if applicable.

23.3 Recording Pick Exceptions

In the Yantra 7x Mobile Application, you can enter or scan pick exceptions while picking inventory.

To record pick exceptions:

1. In Reason Code, enter or scan the reason code for the pick exception.

```
Pick Exception
Location
TEST5-L1
SKU
MOUSE
Reason Code
[          ]
[Go]  [Back]
```

2. Choose Go in the GUI mobile terminal to record pick exceptions. If using CUI mobile terminal, press the F3 key.

3. Choose Back in the GUI mobile terminal. You are returned to the previous window. If using CUI mobile terminal, press the F4 key.

> **Note:** You can record skip exceptions to skip a task and move on to the next task.

Table 23–3   Pick Exception Fields

Field	
Location	The location for which the exception is recorded.
SKU	The pallet LPN, case LPN, or SKU for which exception is recorded.
Reason Code	Enter the appropriate reason code for the exception.
	The exception reason code entered determines the action to be taken on the exception, such as Mark Target Location as full, Freeze for Putaway and Suggest Alternate Deposit Location.

23.4 Sorting Inventory into a Tote, Case, or an Equipment

You can sort inventory into a tote or case by scanning the tote identifier, container SCM, or shipment number, as applicable. If a tote or case is not present, you can scan the shipment number and sort inventory directly

onto the equipment. You can also sort inventory directly onto a cart location by scanning the cart location.

To sort the picked inventory into a tote, case, or equipment:

1. Enter or scan the task reference number or cart location.

Display Item ID ——————— ——————— Task Ref #/Cart Location
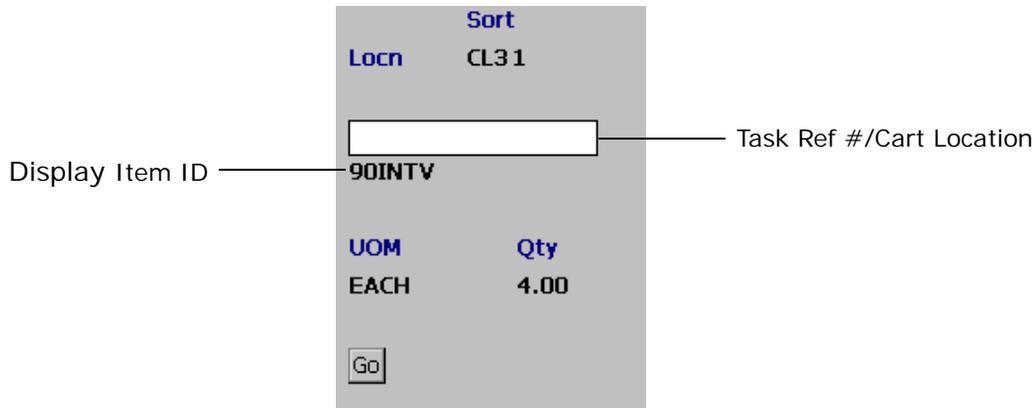
2. Choose Go in the GUI mobile terminal. If using the CUI mobile terminal, press F3.

    If you enter the identifier of the item in the Cart Pick screen, enter the serial number of the SKU. For more information on entering the serial number of the SKU, see Section 23.5, "Capturing Serial Numbers".

Table 23–4   Sort Fields

Fields	
Locn	The cart's location identifier and slot number displays.
Task Ref #/Cart Location	Enter the tote's identifier, container SCM, shipment number or cart location.
Display Item ID	If you implement the YCMGetDisplayItemAttributesUE user exit, the user defined item's identifier displays. Otherwise, the item's identifier displays.
	For more information on the user exit, refer to the *Yantra 7x Javadocs*.

Table 23–4   Sort Fields

Fields	
UOM	The item's unit of measure displays.
Qty	The quantity to pick displays.

23.5 Capturing Serial Numbers

To capture the serial number for a serial tracked SKU:

1. In Serial #, enter or scan the serial number.

Display Item ID
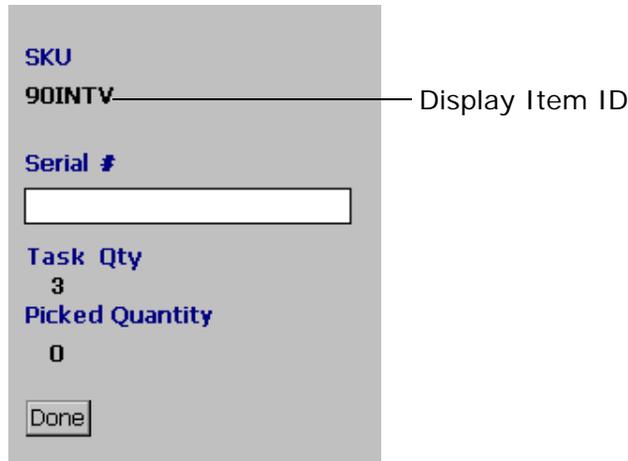
2. Choose Done in the GUI mobile terminal to scan the next serial. If using the CUI mobile terminal, press F12.

Table 23–5   Capture Serial Number Fields

Fields	
SKU	If you implement the YCMGetDisplayItemAttributesUE user exit, the user defined item's identifier displays. Otherwise, the item's identifier displays. For more information on the user exit, refer to the *Yantra 7x Javadocs*.
Serial #	Enter or scan the serial number.

Table 23–5   Capture Serial Number Fields

Fields	
Task Qty	The system displays the total task quantity.
Picked Quantity	The system displays the picked quantity.

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