



# Infor SCE Warehouse Management Visual Work Viewer Guide

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## About this guide

This user guide provides an overview of the user interface, navigation, and functionality of the Supply Chain Execution (SCE) Warehouse Management (WM) Visual Work Viewer.

## Intended audience

This user guide is intended for Infor SCE WM Visual Work Viewer users interested in viewing, investigating, and proactively managing the outbound work flow in the facility. This is typically the SCE user who manages outbound work; releases waves; and monitors the picking, packing, staging, and loading functions of the outbound work flow. It assumes that the reader has a general knowledge of the warehouse operations and the application.

## Related documents

You can find the related SCE documents in the product documentation section of the Infor Xtreme Support portal, as described in "Contacting Infor" on page 5.

## Contacting Infor

If you have questions about Infor products, go to the Infor Xtreme Support portal.

If we update this document after the product release, we will post the new version on this website. We recommend that you check this website periodically for updated documentation.

If you have comments about Infor documentation, contact [documentation@infor.com](mailto:documentation@infor.com).



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# Chapter 1 Overview

# 1

The Visual Work Viewer page provides a visual look into the facility that can be used to monitor the progress of outbound activities. The screen uses a 3D rendering of the facility to help users see a real time view of the outbound work. The rendering shows inventory that has been picked, packed, and staged along with outbound work that has not been started. Users can inspect locations, filter task activity, review travel section status, plan waves, view wave progress, generate replenishments, and change the order or the command priority. The information gathered from this screen can be used to correct issues that are holding up the picking process, assist in getting shipments to the dock on time, and manage the flow of outbound work in the facility.

To display a warehouse, the locations in the facility must contain coordinate information along with height, width, and length.

You can manipulate the view using your mouse:

- Zoom: Mouse Wheel
- Rotate: Mouse Left Click and Hold
- Pan: Mouse Right Click and Hold or use the arrow keys

Icon buttons on the toolbar can be used to re-center the view, reset all of the display settings, and open the page in a new window.



Recenter the view



Reset all display settings



Open the page in a new window

If you hover the mouse over locations, the location is highlighted. If you click a location, the location is selected.

The initial view shows all of the locations associated with the default section of the facility. The basic layout of the screen is the user selected menu option displayed along the left side of the screen while the majority of the rest of the screen shows the current facility.

Use the **SECTION** menu to select which locations are shown on the screen and are available while using the other menu options. Selections and functions used to interact with the facility also remain in the subsequent displays until the user changes the section or resets the filters and display. The list includes all of the sections from the section table configuration for the warehouse.

Locations are positioned on the facility viewer map using a Cartesian coordinate system. Locations are shown in Facility Viewer based on these location configurations:

### **X Coordinate**

The X Coordinate of the location. The X and Y coordinate of (0,0) is at the bottom left corner of the map. The X Coordinate increases as you move from left to right on the screen. This value must be provided as a positive whole number expressing the distance from the lower left corner.

### **Y Coordinate**

The Y Coordinate of the location. The X and Y coordinate of (0,0) is at the bottom left corner of the map. The Y Coordinate increases as you move from bottom to top on the screen. This value must be provided as a positive whole number expressing the distance from the lower left corner.

The X and Y coordinates determine where the front center of the location is on the map. The units should be the same as the units used for item configuration and the location height, width, and length.

### **Z Coordinate**

The Z Coordinate of the location. The Z coordinate is used to specify how high off the floor the location is. This value must be provided as a positive whole number expressing the distance from the floor.

### **Length**

Length of the location. The length and width determine the size of the location on the map. The location is drawn of the length specified starting from the X coordinate. This value must be provided as a positive integer and not as a decimal.

### **Width**

Width of the location. The length and width determine the size of the location on the map. The location is drawn of the width specified starting from the Y coordinate. This value must be provided as a positive integer and not as a decimal.

### **Height**

Height of the location. The location is drawn of the height specified starting from the Z coordinate. This value must be provided as a positive integer and not as a decimal.

### **Level**

The level of the location. Locations on the ground level are of value 0 and the value increases as you go up the level.

### **Use Visual Work Viewer to:**

- Determine what is picked and what is outstanding
- Inspect locations and tasks
- View work by travel sections
- Find outstanding material by wave
- View work by wave
- Identify over allocations and shortages, and generate replenishments
- Expedite picking
- Manage staging lanes and doors









The view criteria menu contains four options: Location Details, Work Filter, Travel Sections, and Wave Control.

### View Criteria > Location Details


Using the mouse to select (click) a location, the location, inventory, picks, and material in route to the location are displayed.

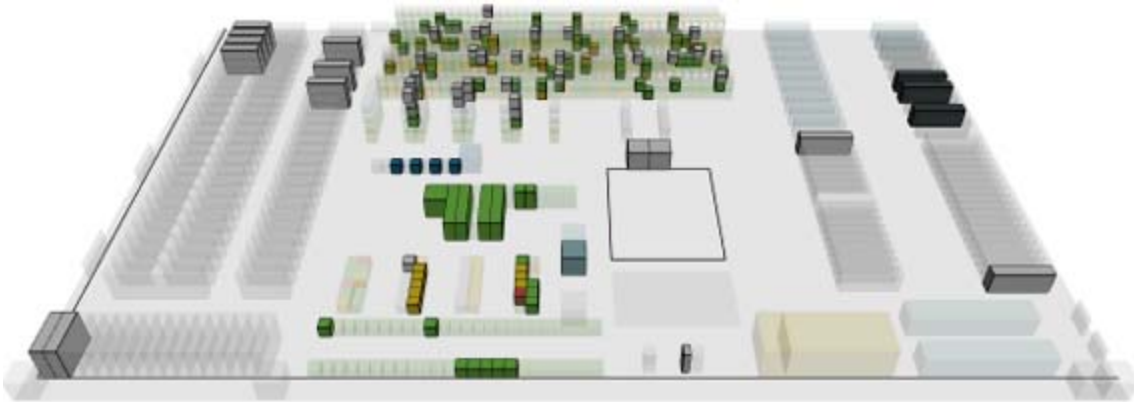
The **location card** shows the location name, type of location, section, zone and if the location is of type CASE, PICK, PICKTO, STAGED or DOOR. The card contains a single LPN and the status of the location as reflected by the inventory at the location.

The location status shown for the location (single LPN at the location) or inventory (commingled LPN at the location), can have one of six different values:

- **Sufficient:**  Indicates there is sufficient inventory to meet the demand that currently exists against the location. This status is applicable only to CASE and PICK type locations.
- **Over:**  Indicates there is a low priority replenishment status on the inventory signifying there should be sufficient inventory to meet the demand at the location. This status is applicable only to CASE and PICK type locations.
- **Short:**  Indicates there is a high priority replenishment status on the inventory indicating the priority was increased, most likely to meet the demand at the location. This status is applicable only to CASE and PICK type locations.
- **Empty:**  Indicates this PICKTO, STAGED, or DOOR type location does not contain any inventory. The location also does not have any commands either directing an operator from picking up inventory from this location or moving inventory to this location.
- **Partial:**  Indicates this PICKTO, STAGED, or DOOR type location has inventory but also has inventory in route to this location that has not yet been completed.
- **Complete:**  Indicates this PICKTO, STAGED or DOOR type location has inventory at the location without any commands directing an operator from bringing additional inventory to this location. In most cases, this status signifies the material at the location is ready for shipping.


The **inventory card** shows all of the unique LPNs that exist at the location along with the quantity and unit of measure, item or sku, and owner and lot.

Click the icon shown for each inventory LPN (  ) to change the facility display to show all locations that contain the same inventory while making the other locations transparent.



The display on the left changes to show the item and owner attribute of the inventory in the **inventory card**, along with the **location card** that shows all of the locations that contain the inventory item, quantity, expected quantity, allocated quantity, and picked quantity of the item at the location.

From this view, a “top off” replenishment can be generated in an attempt to ensure there is adequate inventory at the location to meet demand.


The **picks card** shows all of the picks coming out of the location, displaying the attributes of each pick, including the LPN, quantity of the pick, order number, ship date, to location, and the status of the pick. The pick priority can be changed by clicking the drop down arrow (  ) and selecting one of the drop-down list pick priority values.

The **in route** card shows all of the picks that are destined for the location, displaying the attributes of each pick including the source location and pick quantity.

## View Criteria > Work Filter

You can select the work filter option to show more specific picking activity in the facility. The left side display panel changes to the criteria entry, where values for Wave, Load, and Area can be specified including the use of wild cards. Click **FILTER** to change the facility display to show only the picks that meet the user input criteria.

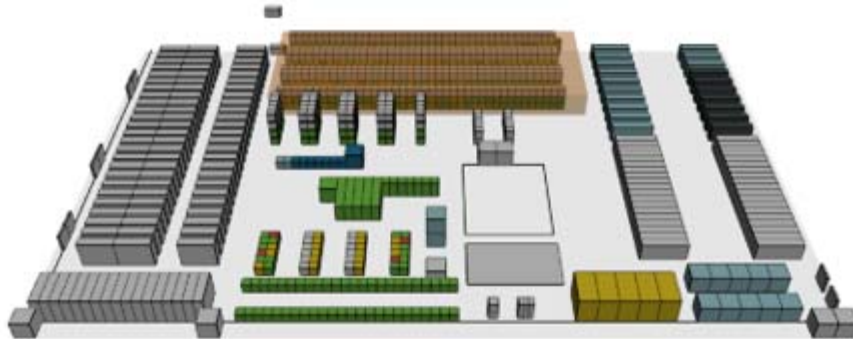
The results are categorized into Owner, Carrier, Ship To, Wave, Load, and Order. A numbered tag represents the number of unique values associated with the filtered results. Each of these cards can be expanded to show the criteria. Click a specific criteria for additional filtering of the results to include or exclude the values. The numbered tag for the category is updated to reflect the number of unique filter values that are represented in the facility on the right.

The wave card criteria include the values of each wave along with the wave status. The icon  can be used to allocate the wave.

The order card criteria include the order status along with the specific order number.

## View Criteria > Travel Sections

You can select the travel sections option to display, in the left window, the list of the configured travel sections within the facility. It shows the count of locations that are within the travel section with the hold or damaged attribute. If you hover over the travel section with the mouse, the travel section is outlined in the color defined for the travel section to improve viewing the locations that are contained within the travel section. If you click a travel section, the travel section box remains displayed allowing you to select other menu options, or hover over and highlight other travel sections.



## View Criteria > Wave Control



The wave control menu option is similar to the work filter. You can select the wave control option to show more specific picking activity in the facility from the standpoint of waves and the status of each wave that meets the selection criteria. The left side display panel changes to the criteria entry, where values for Wave, Load, and Area can be specified including the use of wild cards. Click **FILTER** to change the facility display to show only the picks that meet the user input criteria.



Expand **refine results** for the additional ability to sort by either carrier, date, loaded percent, picked percent, packed percent, status, or wave. The cards are sorted based on the value of the field in either ascending (lowest to highest) or descending (highest to lowest) sequence depending on the selection. The search functionality allows for additional criteria to be specified and searches for the indicated value in all of the labels and fields of the wave card.


The results are shown in the right side of the page as individual tiles or cards for each wave. Each wave tile shows the wave, the description, in process status, and carrier along with appointment date and time. The tiles are followed by three bar graphs showing the status of the wave and how much of the wave is picked, packed, and loaded. Each bar chart shows graphically the total number of pick tasks, the number of complete tasks, and a bar showing the approximate percent complete.



The wave tile also contains a graphical icon indicating if the wave requires attention:

Symbol	Alert Text	Alert Meaning
	<b>Alert: Incomplete appt. started</b>	This alert indicates that the appointment time for this wave has already started but the wave has outstanding work that has not been completed. Check the bar charts for picked, packed, and loaded tasks to determine what work remains to be completed.
	<b>Warning: Incomplete nearing appt.</b>	This alert indicates that the appointment time for this wave is within the next four (4) hours but the wave has outstanding work that has not been completed. Check the bar charts for picked, packed, and loaded tasks to determine what work remains to be completed.

	Wave is Complete	This alert indicates that all outstanding work for the wave has been completed.
	Wave status in progress	This alert indicates that the appointment time for this wave is more than four (4) hours in the future. It also indicates that the wave has outstanding work that has not been completed. Check the bar charts for picked, packed, and loaded tasks to determine what work remains to be completed.

Click the  or “more” icon to open the menu for the various options that can be performed on the wave. These options include: Release, Allocate, Unallocate, Hide, and Show Details.


Release – Release the wave


Allocate – Perform the inventory allocations for the wave

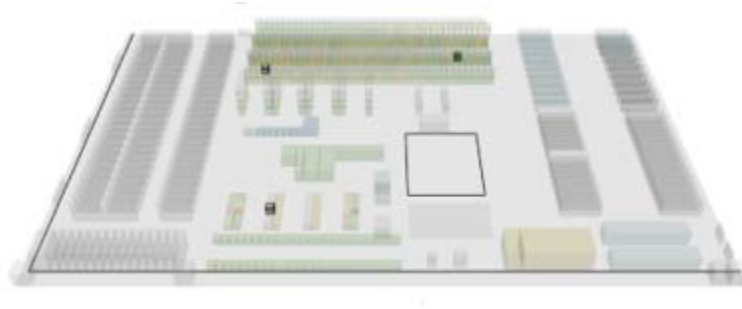
Unallocate – Remove the inventory allocations for the wave

Hide – Ghost the wave tile and move it to the end of the list of wave cards. This option is used when work on a wave has been performed to move other wave tiles to the top of the list.

Show Details – Push the wave tile into the left half of the screen and open a tile for each order in the wave. Show Details allows you to view all of the orders associated with the wave. The order tile contains the order identification, consignee, carrier, priority, and a bar graph showing the status of the order and how much of the order is picked. The picked bar chart shows graphically the total number of pick tasks, the number of complete tasks, and a bar showing the approximate percent complete.

When working with the order tile, you can change the priority of the order by clicking the priority drop-down arrow (  ) and selecting a new priority from the list.

The show facility icon (  ) can be used to push the order tile under the wave tile on the left side of the screen to show the pick detail tasks in the facility. The facility view is updated to show the outstanding pick detail task locations in the facility while making all other locations transparent (ghosting).



The priority can also be changed while the order card is on the left side of the screen. Click **BACK TO SEARCH RESULTS** to return the screen back to the previous view.