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1 Introduction

The Outbound Tracking™ is a component of the Wheel Shop Management Suite™. The applications in this mobile suite are designed to operate on Windows Mobile® devices. They require the Microsoft® .Net Compact Framework v3.5.

2 Log On

Outbound Tracking

A component of the Wheel Shop Management Suite™

Please Log On

Shift: Shift 1
Name: 
Password: 

Log On

Each user must log on to the system in order to access the features of the Outbound Tracking. Users accounts are managed from a desktop computer running Shop Manager™.
Outbound Tracking

The Outbound Tracking application is used to track shipments that you ship from your facility. The Outbound Tracking system allows you to ship both completed wheelsets and raw material (wheels, axles, bearings).

Outbound tracking allows you to track shipment information such as the shipment type, load number, customer, carrier, bill of lading, purchase order, and more. A new shipment is entered either from the handheld as described later, or from Shop Manager™.

Each outbound shipment has one of three statuses:

1. **Incomplete** - indicates the customer and carrier information has been entered but the truck or rail car has not been loaded by the operator.
2. **Completed** - indicates the truck or rail car has been loaded by the operator but has not been reviewed.
3. **Shipped** - indicates the shipment has been loaded and reviewed for accuracy.

Refer to the rest of this section for specific information regarding Outbound Tracking.
3.1 Outbound Shipments

**Outbound Tracking**

Select an Outbound Shipment to continue. If it is not in the list use 'Menu -> Find' to search for it.

<table>
<thead>
<tr>
<th>Load #</th>
<th>Type</th>
<th>Customer</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Completed Wheelsets</td>
<td>TTX</td>
</tr>
<tr>
<td>4</td>
<td>Incomplete Wheelsets</td>
<td>Union Pacific</td>
</tr>
<tr>
<td>3</td>
<td>Incomplete Wheelsets</td>
<td>TTX</td>
</tr>
<tr>
<td>1</td>
<td>Loose Axles</td>
<td>Stock</td>
</tr>
</tbody>
</table>

The main Outbound Tracking screen lists all of the Outbound shipments, 'Incomplete' shipments in blue and 'Complete' shipments in red. By default the application only shows 'Incomplete' shipments, but you can show more wheelsets by using the Find Shipments option in the menu. To begin loading a shipment, select the shipment from the list and press Enter. You can also click Menu and select 'Load Shipment'.

The 'Automatically Refresh' checkbox will enable the Outbound Shipments list to refresh periodically without having to do a manual refresh. By default the refresh interval is 30 seconds.
3.2 Menu

Outbound Tracking

Select an Outbound Shipment to continue. If it is not in the list use ‘Menu -> Find’ to search for it.

<table>
<thead>
<tr>
<th>Load #</th>
<th>Type</th>
<th>Customer</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Loose Axles</td>
<td>Union Pacific</td>
</tr>
<tr>
<td>5</td>
<td>Completed Wheelsets</td>
<td>TTX</td>
</tr>
<tr>
<td>4</td>
<td>Incomplete Wheelsets</td>
<td>Union Pacific</td>
</tr>
<tr>
<td>3</td>
<td>Incomplete Wheelsets</td>
<td>TTX</td>
</tr>
</tbody>
</table>

- **Exit to Menu** - Closes the application and brings back the WSMS Mobile application
- **Log out** - Logs out the current user
- **Refresh** - Manually refreshes the list of Inbound Shipments with a status of ‘Incomplete’.
- **Load Shipment** - Opens the selected shipment for loading.
- **Complete Shipment** - Marks the selected shipment as ‘Completed’. After a shipment is marked ‘Completed’ it will not show up in the Outbound Shipments list. If you need to edit the shipment after it has been marked as Completed you must do so via Shop Manager.
- **New Shipment** - Creates a new Outbound Shipment. You must select which type of Outbound Shipment you want to create (Completed Wheelsets, Incomplete Wheelsets, Axles, Wheels, Bearings). Refer to the next topic on Create/Edit Shipment for more information.
- **Edit Shipment Info** - Edits the shipment information for an Outbound Shipment. Refer to the next topic on Create/Edit Shipment for more information.
- **Delete Shipment** - Deletes the currently selected shipment. You can only delete a shipment if it is marked as ‘Incomplete’ and if there have been no items loaded.
- **Find Shipment(s)** - Search for a specific shipment by providing some information about the shipment you want to find. Refer to the topic Find Shipment for more information.
• **Settings** - Displays the settings menu. You can change settings in the Options, see the About page, bring up the Diagnostics form, or check for updates. See Options, About, or Diagnostics for more information.

### 3.3 Create/Edit Shipment

**Update Outbound Shipment Information**

<table>
<thead>
<tr>
<th>Ship. Type</th>
<th>Incomplete Wheelsets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load #</td>
<td>3</td>
</tr>
<tr>
<td>B.O.L.</td>
<td></td>
</tr>
<tr>
<td>P.O. #</td>
<td></td>
</tr>
<tr>
<td>Customer</td>
<td>TTX</td>
</tr>
<tr>
<td>Location</td>
<td>TTX Location 2</td>
</tr>
<tr>
<td>Method</td>
<td>Track</td>
</tr>
<tr>
<td>Carrier</td>
<td>All Aboard</td>
</tr>
<tr>
<td>Car #</td>
<td>54332</td>
</tr>
<tr>
<td>Weight</td>
<td>0</td>
</tr>
<tr>
<td>Comment</td>
<td></td>
</tr>
</tbody>
</table>

The Create/Edit Shipment screen allows you to enter Customer, Carrier, Bill of Lading, Purchase Order number and more. When you have entered all of the information you want to include at this time click 'Done' to save and return to the Outbound Shipments screen. Click 'Cancel' to close without saving.
3.4 Load Wheelset Shipment

The Load Wheelset Shipment screen is accessed by selecting a 'Completed Wheelsets' or 'Incomplete Wheelsets' shipment from the Outbound Shipments screen and selecting 'Load Shipment'.

To load wheelsets you can either scan the wheelsets Component ID barcode or you can click the 'Search' button to use the Search For Wheelset screen. As you load wheelsets the counter in the top right of the screen will increment to indicate the total number of wheelsets that have been loaded.

When you are finished loading this shipment click the 'Done' button. You must choose whether to leave the shipment status as 'Incomplete' so you can continue to load this shipment later, or change it to 'Completed' if you are finished working on this shipment.
3.4.1 Menu

Scan a barcode or click Search

Load #:5  2 Wheelsets

<table>
<thead>
<tr>
<th>#</th>
<th>Type</th>
<th>Axle Size</th>
<th>Wheel Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>New Mount</td>
<td>6.0x11</td>
<td>36</td>
</tr>
<tr>
<td>2</td>
<td>Turned</td>
<td>6.0x11</td>
<td>36</td>
</tr>
</tbody>
</table>

A summary of the wheelsets in the shipment is displayed. If you want to see more information about a particular wheelset you can select the wheelset and then click 'Menu -> View Wheelset Data'. To remove a wheelset select the wheelset and click 'Menu -> Remove Wheelset'. 
3.4.2 Search for Wheelset

**Outbound Tracking**

Scan or Enter a Barcode to Retrieve a Wheelset

Barcode

Search

Cancel
Outbound Tracking

Scan or Enter a Barcode to Retrieve a Wheelset

Wheel Serial Number

<table>
<thead>
<tr>
<th>Mfg</th>
<th>Serial #</th>
<th>Month</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Search

Cancel

If the Component ID barcode cannot be scanned you can search for a wheelset by typing in the Component ID barcode or by scanning or typing a Work In Progress (WIP) barcode or a Wheel barcode that contains the manufacturer, serial number, and month and year of manufacture. If there are no barcodes on the wheelset you can select ‘Wheel Serial Number’ from the dropdown and enter the manufacturer code, serial number, and month and year of manufacture as read from the wheel hub stamp.
3.4.3 Completed Wheelsets

**Outbound Tracking**

Completed Wheelset shipments are outbound shipments that contain finished wheelsets. They must contain records for both wheels and both bearings. If the bearing information is missing the user will be prompted to enter the bearing information before shipping.

3.4.4 Incomplete Wheelsets

Incomplete Wheelset shipments are outbound shipments that contain wheelsets that may or may not have information for both bearings. If the bearing information is missing the wheelset can still be shipped without it. This shipment type is for shipping unfinished wheelsets between shops where the bearing information will be added at a later time.
3.5 Load Axle Shipment

Scan a barcode or click Search

Load #: 6

<table>
<thead>
<tr>
<th>#</th>
<th>Serial #</th>
<th>Heat #</th>
<th>Size</th>
<th>Mfg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>87914 1...</td>
<td>6.5x09</td>
<td>MWSP</td>
<td></td>
</tr>
</tbody>
</table>
The Load Axle Shipment screen is accessed by selecting a 'Loose Axle' shipment from the Outbound Shipments screen and selecting 'Load Shipment'.

To load axles you can either scan the axle manufacturer's barcode or you can click the 'Search' button to use the Search For Axles screen. As you load axles the counter in the top right of the screen will increment to indicate the total number of axles that have been loaded.

When you are finished loading this shipment click the 'Done' button. You must choose whether to leave the shipment status as 'Incomplete' so you can continue to load this shipment later, or change it to 'Completed' if you are finished working on this shipment.
3.5.1 Menu

Scan a barcode or click Search

Load #:6 1 Axles

<table>
<thead>
<tr>
<th>#</th>
<th>Serial #</th>
<th>Heat #</th>
<th>Size</th>
<th>Mfg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>87914 1...</td>
<td>6.5x09</td>
<td>MWSP</td>
<td></td>
</tr>
</tbody>
</table>

A summary of the wheelsets in the shipment is displayed. To remove a wheelset select the wheelset and click 'Menu -> Remove Axle'.
3.5.2 Search for Axle

**Outbound Tracking**

Scan or Enter a Barcode
to Retrieve an Axle

Barcode

Barcode

[Image of Outbound Tracking Help Manual interface with buttons: Cancel, Search, Keyboard, Start]
Outbound Tracking

Scan or Enter a Barcode
to Retrieve an Axle

Axle Serial Number

Serial # Heat #

Mfg Month Year

If the axle barcode cannot be scanned you can enter the barcode data as it appears on the barcode label, or if the axle does not have a barcode label you can select ‘Axle Serial Number’ from the dropdown and enter the serial number, heat number, and manufacturer information as read off the stamped face of the axle.
3.6 Find Shipment

Search for load number

Search By Customer

- Incomplete
- Completed
- Shipped

You can search for a specific shipment using the Load number or you can search for a list of shipments by filtering on customer and shipment status. Once you have entered your search criteria, click ‘Go’ to perform the search.

4 Options

You can access the Options screen from the Menu item at the bottom of the screen. Only administrators have access to the Options screen.
4.1 Connection

Specify the Database Connection Settings

Server Name

```
anderson\wsa
```

Log on to the server

- Use Windows Authentication
- Use SQL Server Authentication

User Name: `wsmslogin`
Password: `******`

- Save my password

Connect to the database

- Select or enter a database name

```
WSMS V15
```

Test Connection

Use the Connection tab to specify the connection to the Wheel Shop Management Suite database.

- Server Name - The name or address of the server hosting the Wheel Shop Management Suite database.
- Log on to the server - The log on information for the selected server.
- Connect to a database - The name of the Wheel Shop Management Suite database.
- Test Connection - Attempts to open a connection to a database using the specified parameters. Displays a message indicating success or an error message if unsuccessful.
4.2  System

This device belongs to:

AIC, Inc.

This device is:

HH - Outbound

☑ Require a wheelset to be reviewed before it can be shipped.

☑ Check for updates on Login

Test Database Connection Every

-1 seconds (0 to disable)

4.3  Personal

Reserved for future use.
5 About

Outbound Tracking

5.5.0.37546

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Sherwood, AR 72117
(501) 834-9540

A component of the Wheel Shop Management Suite™.

The About page displays information about this application including the application version and support contact information.
6 Diagnostics

The Diagnostics screen currently only provides access to the log file and a screen for testing embedded sounds. New features will be added in the future.

You can view the log file by using the scroll bar or you can upload the log file to the database so it can be retrieved and viewed from a desktop computer. To upload the file click Menu->Upload File to Database.

7 Support

Wheel Shop Automation Support
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Ste N
Sherwood, AR 72117

Online Support
View our Knowledgebase for 24/7 technical information and available downloads
Email us at support@wheelshopautomation.com
Phone Support (Existing support contract or credit card required)
Call 1-501-834-9540 or 1-877-834-9540 (toll free)