FleetOutlook® Fall 2012 Release Notes

Version 7.2

Last Updated: October 7, 2012
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Introduction
The FleetOutlook Fall 2012 Release Notes outline the new or improved features available in FleetOutlook 7.2. Depending on your FleetOutlook user profile, you may not have the appropriate permissions to access all of the features.

To download the comprehensive FleetOutlook User Guide and FleetOutlook Admin User Guide, log on FleetOutlook, select the Support tab, and then select the User Manuals sub-tab.

What’s New in FleetOutlook 7.2 - Overview

- Group Chooser Button – Navigation Improvements
- Updates to Dashboards Charts
- Display Vehicle Names on FleetOutlook Maps
- VConnect™ – the Enhanced Vehicle Maintenance Module
- DTC Codes – Monitor Engine Control Performance
- Automatic VIN Associations
- Bulk Upload Driver Schedule Profiles
- Fuel Efficiency Report – New
- Location Activity Report – New
- Driver/Vehicle Summary View in the Idle Report – New View
- Drill Across Capability in the Fuel Purchase Report
- Show in Group Report Functionality
- New Reports Tab for FleetOutlook Express Customers
Group Chooser Update

The central Group Chooser button now includes a Collapse All and Expand All toggle button that allows quick navigation to your desired group. The Collapse All button collapses the group folder structure to the highest group level to which you have access. The Expand All button expands the group folder structure to the lowest group level to which you have access.

By default, your group structure is fully expanded.
Dashboard Updates
Updates to the Dashboard include enhancements to existing charts – Fleet Utilization and Vehicle Metrics.

Fleet Utilization Chart Improvement
The Fleet Utilization Chart has an improved color scheme that clearly illustrates a snapshot of vehicle use. The four available statuses are green (active devices), red (inactive devices), yellow (stationary devices) and gray (non-communicating devices).

Vehicle Metrics Chart – PTO Idle
Included in the Vehicle Metrics Chart is the option to measure PTO Idle Time. This metric is useful for customers who can claim fuel tax credit for fuel consumed while powering a PTO device vs. powering the vehicle.
Tracking Tab Updates
Two enhancements have been made to the Map tab – Vehicle Names displayed on the map and alphabetical sorting of vehicles in List View.

Vehicle Names Displayed on Maps
Now, you can show vehicle names directly on FleetOutlook maps. The Vehicle Name field is a user-defined field based on a Display Name Template. The following table outlines the available templates. To change the Display Name Template for your vehicles, contact Customer Support. Note that Vehicles without a driver assigned will show only partial names.

<table>
<thead>
<tr>
<th>11 Available Display Name Templates</th>
<th>Example for</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driver ID Only</td>
<td>DriverID: 12345</td>
</tr>
<tr>
<td></td>
<td>Driver Name: Bob Smith</td>
</tr>
<tr>
<td></td>
<td>VehicleID: MD321</td>
</tr>
<tr>
<td></td>
<td>Vehicle Name: Van21</td>
</tr>
<tr>
<td>Driver ID, Vehicle ID</td>
<td>12345</td>
</tr>
<tr>
<td>Driver ID, Vehicle Name, Vehicle ID</td>
<td>12345 Van21 MD321</td>
</tr>
<tr>
<td>Driver ID, First, Last</td>
<td>12345 Bob Smith</td>
</tr>
<tr>
<td>Driver Only</td>
<td>Bob Smith</td>
</tr>
<tr>
<td>Driver, First, Last, VehicleID</td>
<td>Bob Smith MD321</td>
</tr>
<tr>
<td>Vehicle ID Only</td>
<td>MD321</td>
</tr>
<tr>
<td>Vehicle ID, Driver ID</td>
<td>MD321 12345</td>
</tr>
<tr>
<td>Vehicle ID, Vehicle</td>
<td>MD321 Van21</td>
</tr>
<tr>
<td>Vehicle Only</td>
<td>Van21</td>
</tr>
<tr>
<td>Vehicle, Driver First, Last</td>
<td>Van21 Bob Smith</td>
</tr>
<tr>
<td>Vehicle, DriverID, First, Last</td>
<td>Van21 12345 Bob Smith</td>
</tr>
</tbody>
</table>
By default, vehicle names do not display on the maps. To turn the display of vehicle names on, click the Options button, and then select the Vehicle Names check box. Displaying vehicle names is useful for dispatch centers that display the Tracking map on a central monitor or smaller fleets with only a handful of vehicles.

Note: The Display Name Template is set at the enterprise level. To modify the template, call or email Customer Support.
List View – Vehicle Names Sorted Alphabetically

List View sorts vehicles in ascending alphabetical order. Alphabetical sorting helps you quickly find a vehicle from this list. In earlier versions of FleetOutlook, vehicles were sorted based on their last reported time stamp.
VConnect™ – Enhanced Vehicle Maintenance Module

Introducing VConnect™, the updated Vehicle Maintenance module is now better than ever. Use this robust module to automate notifications and maintain multiple services scheduled for your fleet.

Dashboard Tab

The Dashboard includes new filter and sort capability by a selected vehicle category. Sort the Maintenance Due list by vehicle category using the new Vehicle Category column. Click the Vehicle Category column heading to sort by vehicle category in either ascending or descending order. The sort order is indicated by an up (ascending) or down (descending) arrow.

To limit, or filter, the vehicles displayed on the list, select the appropriate category from the Vehicle Category drop-down list. FleetOutlook automatically populates the Maintenance Due list with only those vehicles from the selected category that also have upcoming maintenance due.
**Update Vehicles Tab**
The Update Vehicles tab has been enhanced to include new filter and input options to allow for faster and easier updating of services performed.

The Service Schedule list has an additional column that helps you view the last service date for any displayed service. You can sort scheduled service by the last service date.

Additionally, limit the vehicles displayed in the Vehicle Name by a category selected from the new Vehicle Category list. Speed the process of finding specific category of vehicles by filtering the Vehicle Name list.

The Update Vehicles tab also includes three new buttons focused on improving interval tracking for scheduled services. Additionally, the Maintenance Complete button includes resolved synchronization functionality. Refer to pages 9-11 for a detailed explanation of each button.
Maintenance Complete – Updated
FleetOutlook now accurately synchronizes the date to the first odometer reading for the specified date, or synchronizes the appropriate date for the odometer entered. Select a service from the Service Schedule list, and then click the Maintenance Complete button. Enter the Service Date or the Odometer Reading, and then click the Sync Date/Odometer button. In addition, you can now enter notes associated with this service using the Additional Notes field. This field holds up to 254 characters. You can view the notes from the Service History screen by clicking on the Service History button on the Update Vehicles tab.
Add Service Record – New
The Add Service Record allows you to establish a baseline for a scheduled service. FleetOutlook uses the date and odometer provided to start the maintenance interval tracking for the vehicle assigned to the scheduled service. If you do not establish a baseline, the Date Due column displays “No History Available.” Both the Last Service Date and the Odometer at Service fields are required.

```
Setup Your Last Service Record

Vehicle Name: Brians2315
Service Item(s): Inspection - Spare tire
Last Service Date: 09/03/2012
Odometer at Service: 33175
```

Add Notes
The Add Notes button provides a free form text box where you can add supplementary notes. The notes are attached to a specific vehicle; they are not associated with any scheduled service. All notes display on the View Service History screen.
View Service History

The View Service History screen provides a snapshot view of all the services performed on a selected vehicle. For each service performed, this screen displays the service date, name of service, odometer captured at time of service, engine hours and any associated notes.

This screen also displays all notes associated with the vehicle. To see an entire Notes field, select a row from the service log. The full note displays at the bottom of the screen in the Details Notes box.
**DTC Codes Tab - New**

The new DTC Codes tab displays a list of vehicles and their associated Diagnostic Trouble Codes (DTC). This provides insight into the current performance of your fleet vehicles. DTC Codes are 5-character fault codes that indicate elements in a vehicle’s engine or other systems that are experiencing abnormalities. To use the DTC Codes tab, you must have the R30 or another device that reports ODB-II data.

Each character position has a meaning. For example, a code of **P0171** indicates a generic power train code in the Emission Management system. Code 71 in this sub-system indicates System too Lean (Bank 1).

For a full explanation of each code, refer to [http://www.obd-codes.com/trouble_codes/](http://www.obd-codes.com/trouble_codes/).

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
<th>Values</th>
</tr>
</thead>
</table>
| 1 – System | Identifies the vehicle system related to the trouble code | P = Power Train  
B = Body  
C = Chassis  
U = Undefined |
| 2 – Code Type | Identifies the code as generic (OBD-II standard), or manufacturer specific. | 0 = Generic  
1 = Enhanced (manufacturer specific) |
| 3 – Sub-System | Denotes the type of sub-system that pertains to the code. These are the Power Train sub systems | 1 = Emission Management  
2 = Injector Circuit (Fuel or Air)  
3 = Ignition or Misfire  
4 = Emission Control  
5 = Vehicle Speed & Idle Control  
6 = Computer & Output Circuit  
7 = Transmission  
8 = Transmission  
9 = SAE Reserved  
0 = SAE Reserved |
| 4,5 – Code | Indicates the specific abnormality reported. | 00 - 99 |
Filter/Find DTC Codes

The DTC Codes tab includes options to quickly filter or find a vehicle by any of the available columns. Likewise, you can sort the list in ascending or descending order by any column.

Available Columns

The DTC Codes list displays seven columns. The following table provides a brief explanation for the five, DTC Code related columns.

<table>
<thead>
<tr>
<th>Column Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTC Code</td>
<td>The 5 character fault code.</td>
</tr>
<tr>
<td>DTC Code Description</td>
<td>Explanatory text of the code.</td>
</tr>
<tr>
<td>Status</td>
<td>Indicates if the code is active (On) or inactive (Off).</td>
</tr>
<tr>
<td>Code Active Time</td>
<td>The timestamp indicating when the code became active.</td>
</tr>
<tr>
<td>Code Inactive Time</td>
<td>The timestamp indicating when the engine control unit reports that the code was resolved.</td>
</tr>
</tbody>
</table>
FleetOutlook Admin Updates
The following features have been added to FleetOutlook Admin to deliver a more effective and efficient solution for managing your assets.

Automatic VIN Associations
The Reporter 30 device includes the capability to automatically report the Vehicle Identification Number (VIN) of the vehicle in which they have been installed. The device reads the VIN from the OBD-II bus.

To make best use of the VIN Association capability, it is important to create a new Vehicle asset in FleetOutlook Admin and populate the VIN field. In this way, the reported VIN from the device can be matched with the existing VIN in the Vehicle settings.

Using this feature, you will not have to pair your devices to vehicles in FleetOutlook Admin. When the device reports a VIN that matches a VIN number from the Vehicle settings, FleetOutlook Admin will automatically associate the captured VIN from the reported vehicle with the known VIN from the Vehicle settings. If an exact match is found, the device is then paired to the corresponding vehicle.

If the VIN reported from the vehicle does not find an exact match in any of the Vehicle settings in FleetOutlook Admin, a new vehicle is created with the unmatched VIN as the Vehicle Name and Vehicle ID. FleetOutlook Admin automatically pairs the device with new vehicle.

Likewise, as you move devices from vehicle to vehicle, it is important to confirm in FleetOutlook Admin that the device is reporting to the correct Vehicle in FleetOutlook Admin or the Manage tab in FleetOutlook.
**Driver Schedule Bulk Upload**

The Upload option on the Driver tab now includes the capability to bulk upload driver schedule assignments. This allows you to assign existing drivers to existing schedule profiles. Bulk upload is useful for assigning multiple drivers to multiple schedules through one action.

From the Drivers tab in FleetOutlook Admin, click the Upload button at the bottom of the screen. Then, click the Driver Schedule link at the bottom of the Upload Driver screen to save the Driver Schedule template to your computer. Enter the Driver ID and Schedule Profile name for each driver. Save the template, and then upload the file to FleetOutlook Admin.

Note that you cannot assign a schedule profile unless the driver and the schedule profile already exist in FleetOutlook Admin.
Fuel Tab
The Vehicle Settings tab includes a new sub-tab to record fuel related properties of vehicles. The Fuel Tank Capacity field will be used in the Fuel Purchase Report to help identify potential fraud by highlighting purchases of fuel in amounts that exceed a vehicle’s tank capacity. If you currently have or will have a fuel card provider who has integrated with FleetOutlook and you are using or plan to use the Fuel Purchase Report, you should populate the fields on this tab for each vehicle.

The expected fuel efficiency fields establish a baseline for identifying vehicles with much lower than expected fuel economy. The Fuel Purchase Report and the Fuel Efficiency Report will utilize these values for comparison to computed or actual fuel economy to highlight vehicles with extremely poor efficiency. This can help identify poorly tuned vehicles or vehicles with fraudulent fuel purchases. (Note that the Fuel Efficiency Report requires the use of R30 devices in vehicles that report fuel consumption via the OBD-II port.)
Reports Update

Two new reports have been added to the Interactive Reports Platform as well as several enhancements to existing reports.

Fuel Efficiency Report - New

The new Fuel Efficiency Report provides fleet managers with summaries of operator’s fuel usage as reported by those equipped with a device capable of reporting fuel consumption. Currently, only the R30 can report fuel consumption by reading the trip fuel consumption value from the OBD-II bus in the vehicle.

The following example shows a week of data and helps identify poorly tuned vehicles or vehicles with high idle.
**Location Activity Report - New**

The Location Activity Report provides supervisors with a view of which vehicles and drivers were present in a specified area during a selected reporting interval as well as the events reported for those vehicles. You can run this report by entering a specific address or using latitude/longitude coordinates. The default radius for an address type (Specific or Lat/Long) is 0.5 miles, and the maximum radius is 1 mile.

**Two Available Views:**

**Vehicle List View** – Provides a list of vehicles within a specified radius of a specific address or latitude/longitude coordinates. To view a vehicle’s events for the same location and reporting interval, double-click on the vehicle’s row to drill-down to the Event Details View.

**Event Details View** – Shows all the events for the vehicle(s) for specific address or latitude/longitude coordinates and reporting interval.
Driver/Vehicle Summary View – Idle Report

The Idle Report now contains a third view – Driver/Vehicle Summary View. In this view, each row summarizes the total idle statistics by driver or by vehicle. This view allows you to compare key idle statistics summarized for each driver or vehicle in your fleet or selected group.

The Resource field under the Filters and Options section allows you to run the report by driver or by vehicle. The default option is by driver. Additionally, the view displays a Total row at the bottom of the report and an Average row at the beginning of the report.
Fuel Purchase Report – Drill Across Capability

The Fuel Purchase Report now contains drill across capability to the Breadcrumb Detail Event Report. The Fuel Purchase Report is useful for your fleet supervisors to monitor fuel costs and purchases. The report provides a summary of a driver’s fuel purchases and allows you to drill across to review all the events for a specific vehicle and date range. This capability helps identify potentially fraudulent usage. For example, if the driver location does not match the fuel station, you can drill across to review the driver’s actual location.

Note that this report is only available to customers who currently have a fuel card provider integrated with FleetOutlook.

Double-click on a vehicle’s row to drill across to the Breadcrumb Detail report for the selected vehicle and date. In the example below, Driver ID R30g-2321 had three fuel purchases on three different dates for the selected reporting interval. Only one date stands out as possible misuse. By double-clicking on the row that matches the date in question, you can review the driver’s breadcrumb events for the selected date.

The Breadcrumb Detail Report shows all the events for the selected vehicle and date.
Show in Groups Functionality
The Show in Groups functionality allows you to show report data by expanding and collapsing the group structure. To make use of this new function, run the selected report, and then select a group from the Group By field in the report configurations. Once the report data is generated, select the Show in Groups option from Groups column header.

To show report data in groups, hover your mouse over the Groups column, and then click the black down arrow. Click the Show in Groups check box. To remove grouping, clear the Show in Groups check box.
GeoFence Options – Landmarks Report

The FleetOutlook 7.1 release introduced GeoFence Landmarks. The Landmarks Report now allows you to filter the generated report data by Landmark type. By default, both Landmark types are selected in the report configurations.

Daylight Savings Time (DST) Option

The Time Zone Panel includes options to load a report in the correct time zone as well as support adjustments made for daylight savings time. By default, this option is based on your computer’s current clock settings.
Incomplete Data

FleetOutlook reports now display three asterisks for negative or incomplete data. For example, if the Average Last Landmark Arrival column has a later timestamp than the Average Last Landmark Departure column then the Average Work Day is a negative number. FleetOutlook displays this number as three asterisks.

<table>
<thead>
<tr>
<th>Avg. Last Landmark Departure</th>
<th>Avg. Last Landmark Arrival</th>
<th>Avg. Last Ignition Off</th>
<th>Avg. Work Day</th>
<th>Active Driver Days</th>
<th>% of day at Work Orders</th>
<th>% of day at Landmarks</th>
<th>% of day Traveling</th>
<th>Total Segn</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:33 AM</td>
<td>08:49 AM</td>
<td>08:50 AM</td>
<td>***</td>
<td>1</td>
<td>0.0%</td>
<td>0.0%</td>
<td></td>
<td>***</td>
</tr>
<tr>
<td>06:14 AM</td>
<td>07:21 AM</td>
<td>07:21 AM</td>
<td>***</td>
<td>1</td>
<td>0.0%</td>
<td>0.0%</td>
<td></td>
<td>***</td>
</tr>
<tr>
<td>12:44 PM</td>
<td>01:20 PM</td>
<td>01:20 PM</td>
<td>4h:52m</td>
<td>1</td>
<td>0.0%</td>
<td>52.6%</td>
<td></td>
<td>8.5%</td>
</tr>
</tbody>
</table>
Reports Tab – FleetOutlook Express

For customers using the FleetOutlook Express edition, there is a new Reports tab featuring the Posted Speed Violation Report.

The Posted Speed Violation Report provides data on the number and severity of speeding violations against the Posted Speed Limit (PSL) on roads where this value is available from DeCarta map information.
## 7.2 Minor Enhancements

The following table highlights the minor enhancements included in the FleetOutlook 7.2 release.

<table>
<thead>
<tr>
<th>TechDirect</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>When you select a Work Order on the Gantt chart, the bar on the Gantt chart is highlighted and the map automatically centers to the Work Order address.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FleetOutlook Admin</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>The Device Audit History screen now displays the date the device was added and activated in FleetOutlook Admin as well as who created the device.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reports</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>With this release, the Unauthorized Usage Report now includes a new column that shows the accumulated amount of travel time during the unauthorized event.</td>
<td></td>
</tr>
<tr>
<td>FleetOutlook Admin now automatically hides Driver, Vehicle or Landmark categories that are inactive. When you click the Category drop-down arrow, the list displays only categories currently in use. This update is useful when creating an alert for a specific vehicle category. You will not create the alert for an inactive category.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FleetOutlook Express</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>The Driver ID was removed from the Vehicle Summary tab to simplify the view.</td>
<td></td>
</tr>
</tbody>
</table>
7.2 Minor Fixes

The following table highlights the minor enhancements included in the FleetOutlook 7.2 release.

<table>
<thead>
<tr>
<th>Dashboard</th>
</tr>
</thead>
<tbody>
<tr>
<td>The data bars on the Multiple Metrics Chart on the Dashboard now align for a precise understanding of the relationship between two different series of data.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tracking – Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>When you filter FleetOutlook for a specific group using the Group Chooser button, the List View now displays all vehicles in the selected group.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Manage</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Add button on the Manage</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FleetOutlook Admin</th>
</tr>
</thead>
<tbody>
<tr>
<td>On the Query Device Screen, the Features tab allows you to enter High Status Name and Low Status Name for each digital input. FleetOutlook Admin now limits the number of characters allowed in each of these fields to 30 characters or less. An error message displayed when you entered 31 characters or more.</td>
</tr>
</tbody>
</table>
Contacting Customer Care

Supporting Your Solution Every Time. All the Time.

Wireless Matrix does more than provide you with application services – we also supply you with an always-available resource for attention, answers and insights if you have questions about your solution.

Wireless Matrix's Customer Support team stands beside you to ensure any concerns you have with any element of your solution – application, hardware or operations – are addressed quickly and completely.

- U.S.-based 24x7x365 via toll-free number, e-mail or automated service ticketing via our customer portal.
- Fully trained representatives with two tiers of escalation.
- E-mail acknowledgment and status visibility of your issue 100% of the time.

<table>
<thead>
<tr>
<th>Contacting Customer Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone: 866.456.7522</td>
</tr>
<tr>
<td>Support Email: <a href="mailto:customercare@wirelessmatrix.com">customercare@wirelessmatrix.com</a></td>
</tr>
</tbody>
</table>