

FleetOutlook® Release Notes



FleetOutlook 8.0

A New Look for Your Fleet

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Introduction

The FleetOutlook 8.0 Release Notes outline the new or enhanced features available in this latest release. The 8.0 release theme is a New Look for Your Fleet. This release announces a new look and feel to the FleetOutlook maps. These new maps provide faster zoom, pan and refresh action, plus support advanced features like traffic monitoring.

Other changes include additions to reports and extended use of telematics information from the OBD and J-bus.

Depending on your FleetOutlook user profile, you may not have the appropriate permissions to access all of the features.

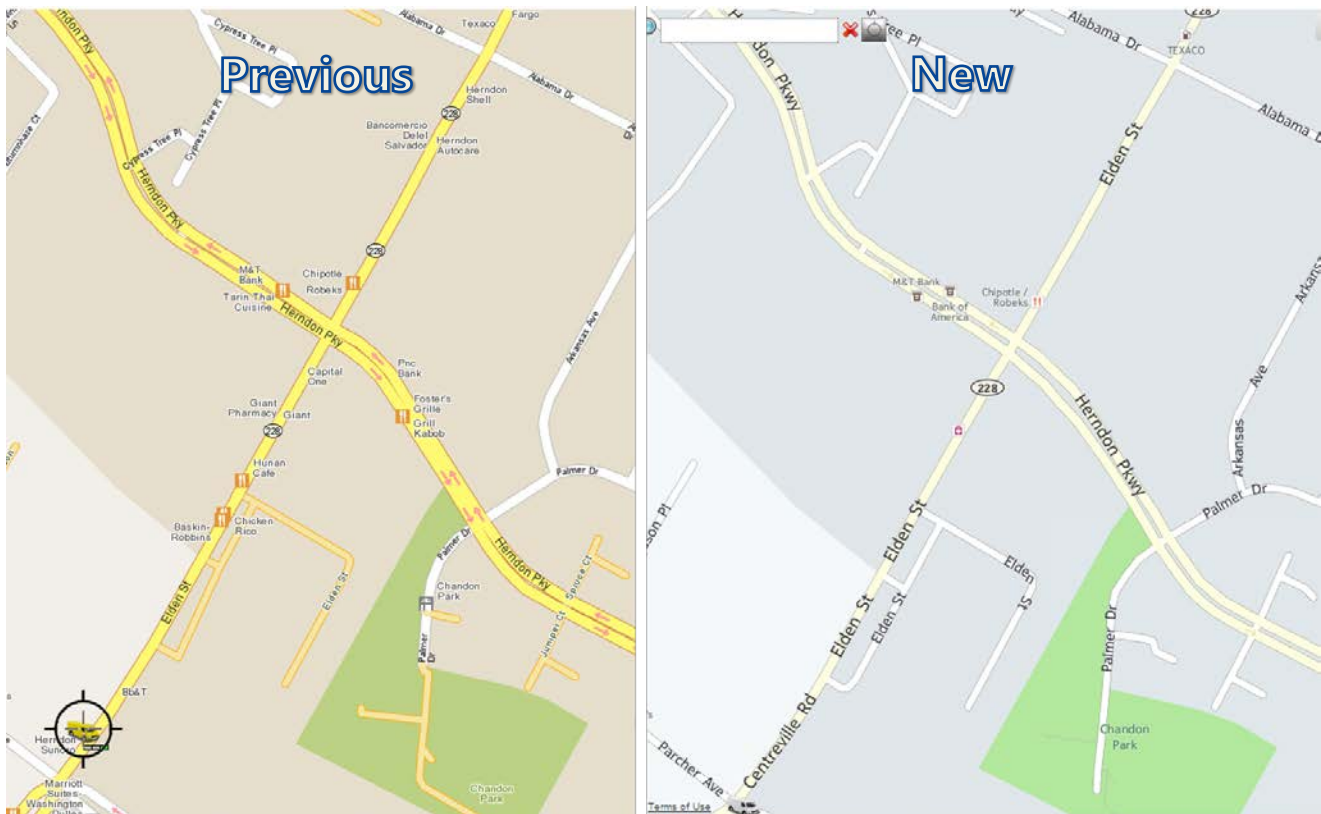
To download the comprehensive FleetOutlook User Guide and FleetOutlook Admin User Guide, log on FleetOutlook, select the Help button, and then select the Document Library icon.

New Map Look and Feel

FleetOutlook now has a new map provider (HERE from Nokia) that provides faster zoom and pan capability. Furthermore, you will notice additional details on street layout and a new Terrain view.

There is no change in functionality on the map viewing pages and switching from map view to Satellite or Terrain view is done by selecting the desired option in the top right corner of the screen.

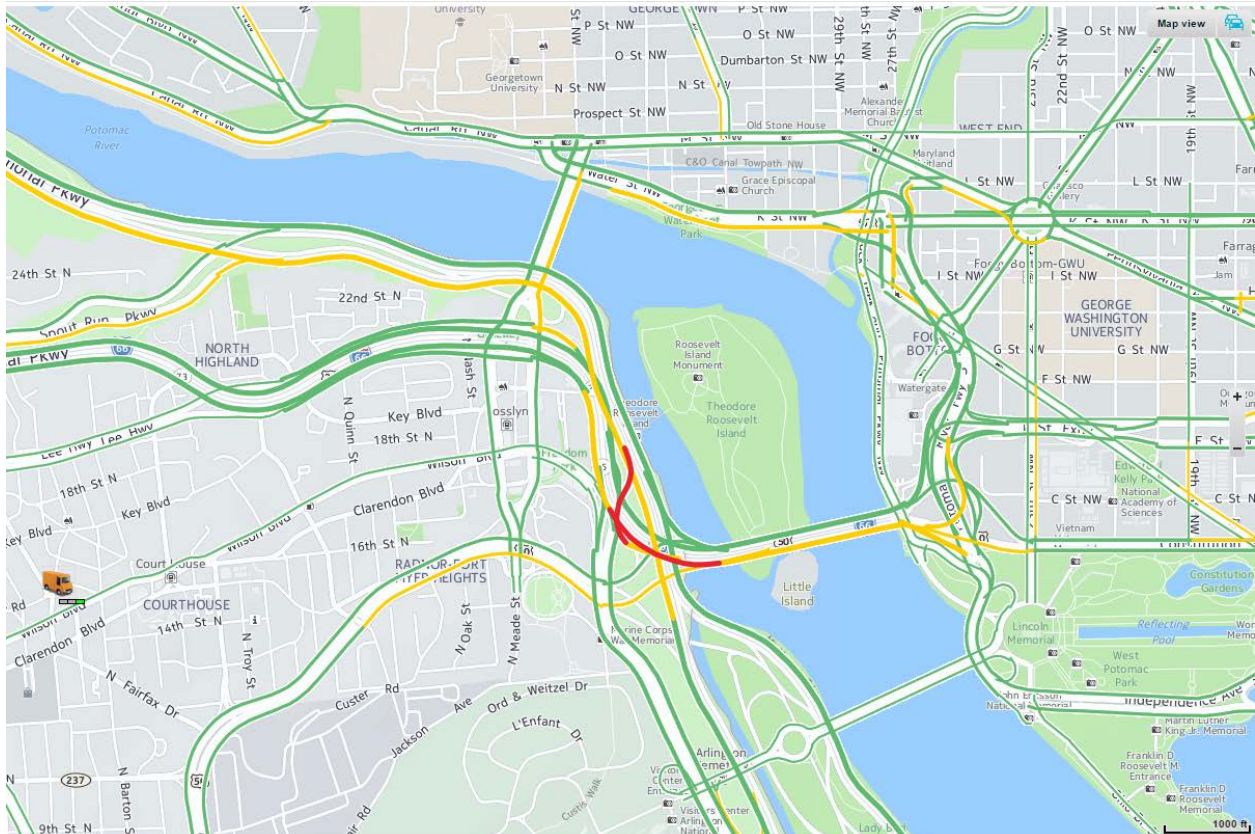
Points of interest (restaurants, banks, etc.) are the same as before, except they will appear in more detail as one zooms in on a specific street.



Note that as part of the migration to the new mapping platform, we discontinued the Get Directions feature on the Vehicle Summary tab. This feature may be reinstated in a future release.

Traffic Shown on the Map

As part of the migration to the new mapping service, we also now offer traffic display on maps. This is applied to all major highways and uses a simple green/yellow/red color coding to indicate traffic speed. Red indicates stopped or very slow moving traffic, and yellow indicates traffic moving below the normal or posted speed.



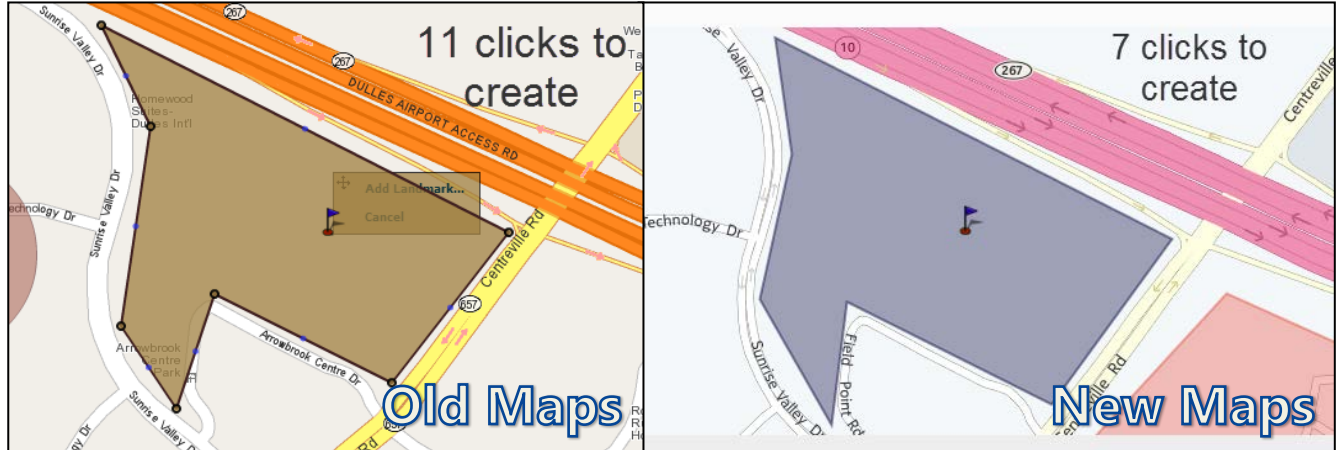
Creation of Landmark – changes in the process

The new mapping vendor provides a slightly different set of landmark creation tools. This remains a very intuitive process with little training required and most users will adapt very quickly. Previously created landmarks remain as they were; there is no need to re-create them.

Circle creation is very similar to the previous process. The user selects the “create circle” icon and then selects the center point and radius on the map. The user then adds supporting information like the name and category of this landmark.

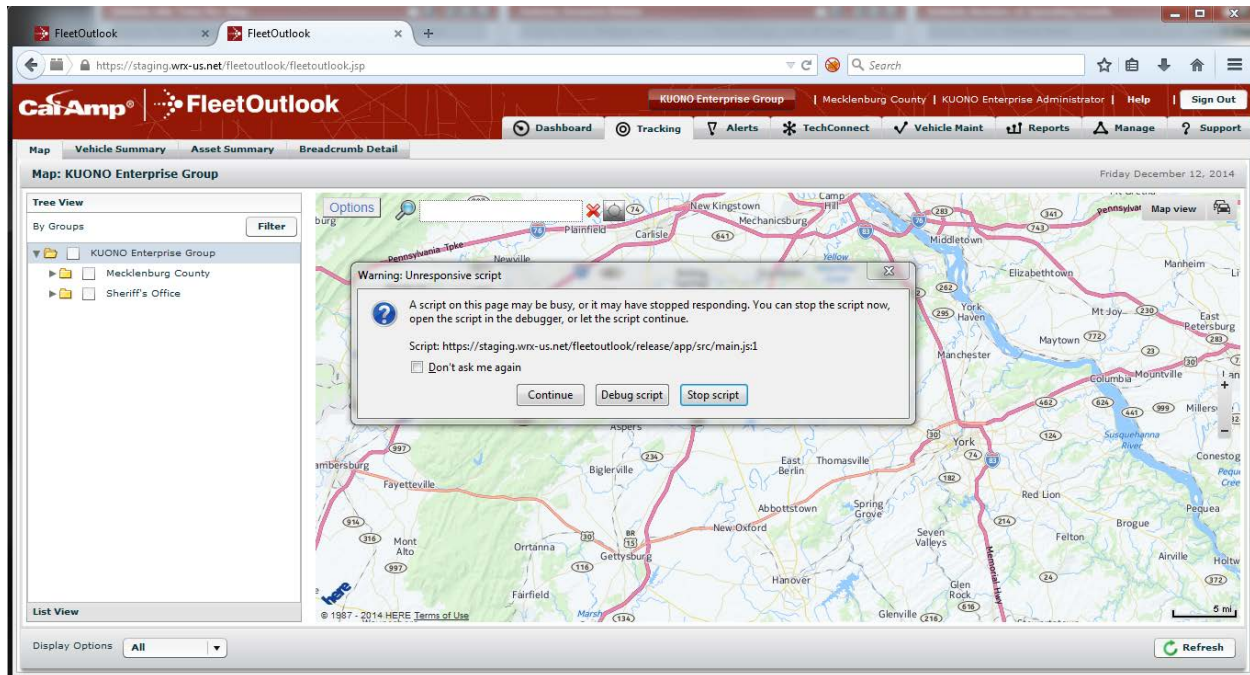
Polygon creation is different, but also very easy to create. Both the old and new tools required the user to select the “create polygon” icon and place the center on the map. The old landmark creation process started with the placement of a square on the map, with the user adding vertices as needed and dragging all corners to match the profile desired. The new tool allows for the selection of vertices and grows the polygon one corner at a time. This method is more intuitive and allows creation of a polygon with fewer clicks of the mouse.

Editing a landmark does, however, require the recreation of the landmark perimeter. The previous landmark creation tool allowed vertices by vertices editing of an existing landmark.



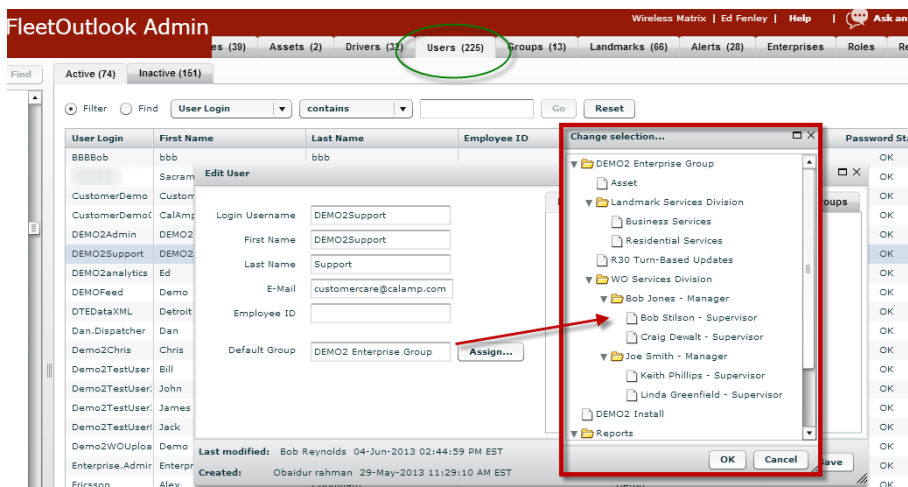
Map Loading in the browser

The new mapping application makes greater use of the browser features, which allows for the improvements in speed and zoom. If a user is selecting a group in the hierarchy that includes a large number of vehicles, the browser may reach an internal time-out and stop processing. It will give the user a popup asking whether to proceed or stop. The user should select continue until the load is complete.



If this continues to be an issue, we recommend these things:

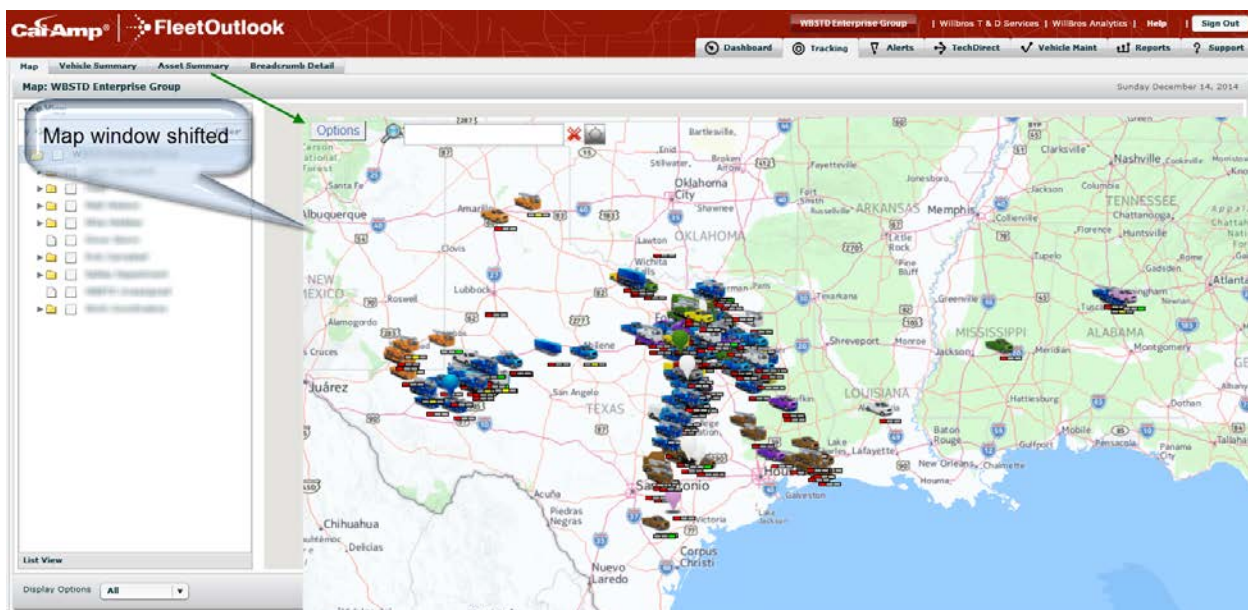
- 1) Set the user's default group to a smaller subset of the total vehicles. This is done in the Administration, Users settings as shown below.



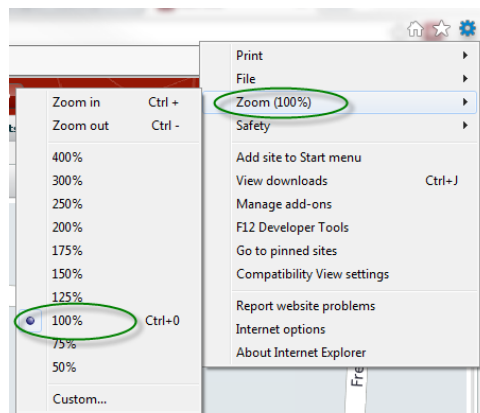
- 2) Select a different browser. Chrome is the preferred browser and should give the fewest issues. Firefox will show the timeout issue more than Chrome or IE, so avoid this browser if you have this issue.
- 3) If you need to use Firefox, you can change the time-out parameter in your browser. This is not difficult to do, but if you are unsure of the process, contact your local IT support person for assistance. Follow instructions at https://support.mozilla.org/en-US/kb/warning-unresponsive-script#w_letting-the-script-run-longer

Browser Zoom settings for the new mapping features

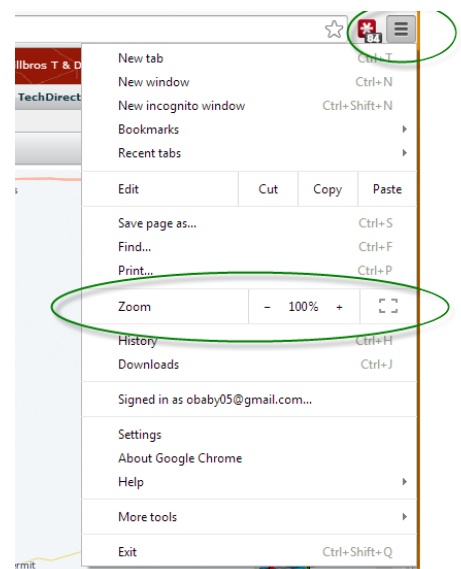
The new mapping application is embedded in FleetOutlook and requires that the zoom setting in the browser be set to 100%. If it is not set to 100%, you may see the map shifted to the right and down, where it can cover the lower menu items.



Example browser zoom settings



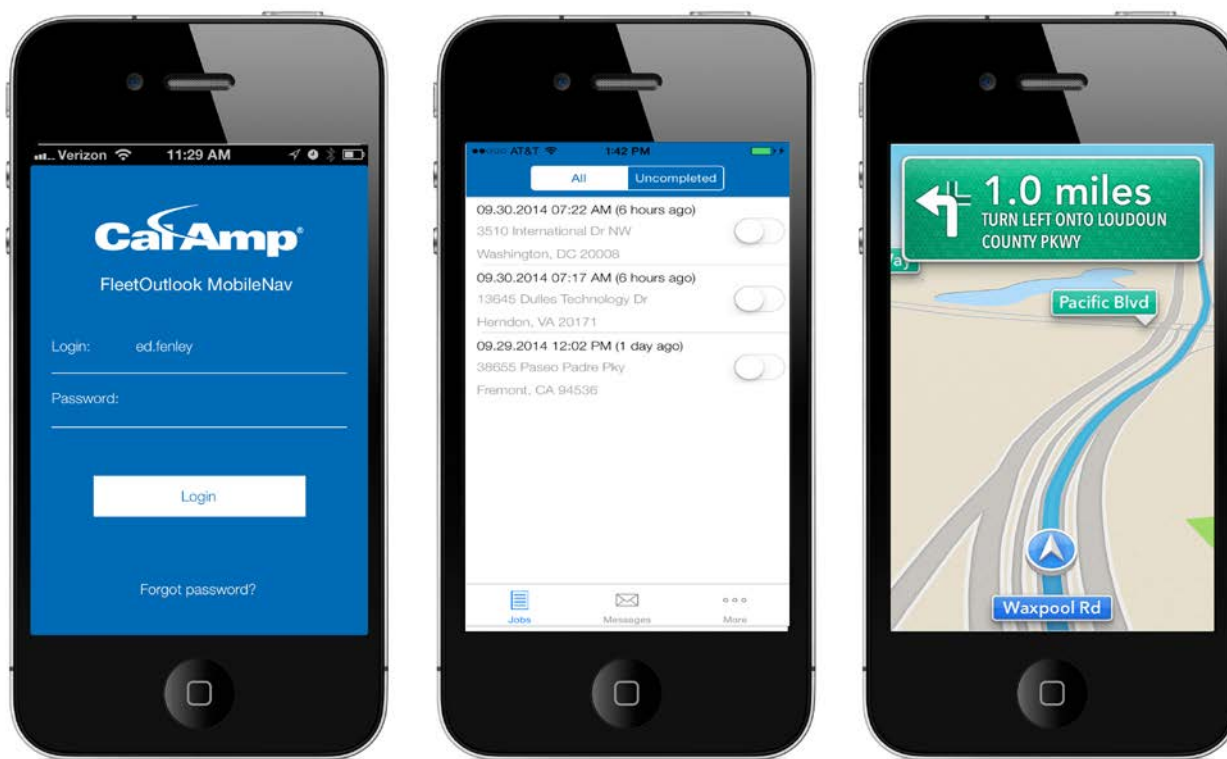
Microsoft Internet Explorer



Google Chrome

MobileNav is Now Available on iOS for Apple Phones

MobileNav provides turn-by-turn directions to addresses with two-way text messaging to the TechConnect dispatch screen in FleetOutlook. Users now have a choice to use either a Garmin PND in the vehicle, or the Android or iOS MobileNav application on their phone. This popular product was released on Android last year and due to the many requests by customers, we are introducing an Apple version as well. If you are already a TechConnect user, visit the Apple App Store on your iPhone and search for CalAmp or MobileNav to download. In order to use MobileNav, you will need the TechConnect product in FleetOutlook. Contact [CalAmp support](#) if you would like a free trial of TechConnect.



See the [browser requirements](#) page for Android and iOS supported OS.

Vehicle Maintenance Module – New Vehicle Bus Information

The FleetOutlook Vehicle Maintenance Module now includes access to the most recent vehicle bus values reported by OBD equipped vehicles (LMU-3000, LMU-3030 and vPOD). The image below summarizes the data that is captured from the vehicle bus so users can confirm whether true odometer, true fuel and true speed are being used in device reports. Note that not all vehicles report all the information desired. For jPOD equipped vehicles, the vehicle conditions as captured on the last ignition off event will be displayed instead.

The Vehicle Bus link is available on the Update Vehicles screen for vehicles reporting either J-bus or OBD information. If the words "Vehicle Bus" don't appear as shown below, the vehicle is not equipped to report this information. Click the "Vehicle Bus" text to see the pop-up window.

The screenshot shows the FleetOutlook interface with the 'Update Vehicles' screen. A green circle highlights the 'Vehicle Bus' link. Below, two pop-up windows are shown: 'OBD Information' and 'J-bus information'.

Vehicle: 17312 (Schedule: N/A)

Vehicle Category: [All] | Vehicle Name: 17312 | Today's Date: 11/06/2014 | Odometer: 1,105 mi | Engine Hours: 123 hours

Vehicle Bus Information: 17312

This list contains all the most recent values from J-BUS/OBD-II equipped vehicles.

Property	Value
Battery Voltage	13.3 (v)
Switched Battery Voltage	13.1 (v)
Total Fuel	15860.5 (gal)
Total Idle Fuel	1 (gal)
Total Idle Hours	2611.5 (hr)
Total Engine Hours	2739.2 (hr)
Engine Coolant Temperature	28°F
Engine Oil Temperature	22°F

OBD Information

Protocol ID: 6-CAN 11 bit
 Reports VIN: true
 Reports Vehicle Speed: true
 Reports Vehicle Odometer: true
 Reports Fuel Consumption: true

J-bus information

Last updated: 03-Nov-2014 07:56:13 AM EST

J-bus – PTO input sensing

The CalAmp jPOD product (134152-JPOD) provides vehicle diagnostics as well as engine parameters to FleetOutlook. Starting in December 2014, the jPOD will begin capturing Power Take-Off (PTO) activity over the J-bus as well. PTO is an auxiliary drive shaft coming from the transmission that powers equipment like a bucket lift or hydraulic digger. This feature will be released to select customers in December 2014, and to all customers at some time in Q1 of 2015.

FleetOutlook will check the engine bus for evidence of a PTO status, and if it is included with that vehicle, will show it as a Digital Input 4. Historically, customers were encouraged to wire a sensor to detect use of auxiliary equipment into one of the 4 device inputs on the LMU-2620 device. This new method of sensing PTO using the J-bus input will make hard wiring unnecessary for those vehicles that support it.

If the jPOD is installed, and your vehicle reports PTO on the J-bus, you will be able to observe the PTO activity on the breadcrumb detail. Initially, this will show as "IN4HI" and "IN4LO", but you will want to use the Administration module to change this to something more readable. See the example below.

The image displays two side-by-side screenshots from the CalAmp FleetOutlook system. The left screenshot shows the 'Breadcrumb Detail' for vehicle JPOD 7428 on 12/12/2014. A table lists events, with two entries circled in red: 'PTO JBUS PTO ON' at 08:55 AM and 'PTO JBUS PTO OFF' at 08:56 AM. A green arrow points from these events to the right screenshot. The right screenshot shows the 'FleetOutlook Admin' interface for 'Query Device 4641107428'. It features a list of digital inputs on the left and a configuration panel on the right. In the configuration panel, 'Digital Input 4' is set to 'PTO', with 'High Status Name' as 'JBUS PTO ON' and 'Low Status Name' as 'JBUS PTO OFF'. A blue callout box with the text 'Modify Digital Input 4 as shown' points to the 'Digital Input 4' configuration section.

If the vehicle does not report PTO on the J-bus, there will be no event message in the breadcrumb. If your vehicle already has a PTO sensor wired to an input, and see both that PTO event and the JBUS-PTO event, we recommend you deselect the "Omit PTO Idle" option for that input.

Vehicle Maintenance Module – J1939 Diagnostic Codes

FleetOutlook now has a tab in the maintenance module listing J-bus diagnostic codes as they are received. Diagnostic codes for older vehicles, based on the J1708 standards, are not available at this time.

The screenshot shows the FleetOutlook web application interface. The top navigation bar includes the CatAmp logo, FleetOutlook branding, and links for Enterprise Group, Willbros T & D Services, Willbros Analytics, Help, and Ask an Expert. Below this is a secondary navigation bar with tabs for Dashboard, Tracking, Alerts, TechDirect, Vehicle Maint, and Reports. The 'Vehicle Maint' tab is active, and within it, the 'J1939 Diagnostic Codes' sub-tab is highlighted with a green circle.

Below the navigation bar, the 'J1939 Diagnostic Codes' section is displayed. It includes a filter section with a 'Filter' button, a 'Find' button, a dropdown for 'Vehicle ID', a dropdown for 'contains', a search input field, and 'Go' and 'Reset' buttons. Below the filter section is a table with the following columns: Vehicle ID, Vehicle Name, Suspect Parameter (SPN), Failure Mode (FMI), Occurrence Count (OC), and Code Active Time.

Vehicle ID	Vehicle Name	Suspect Parameter (SPN)	Failure Mode (FMI)	Occurrence Count (OC)	Code Active Time
51681	CREW 125	Articulation Angle	Data Valid But Above Normal	124	09/05/2014 11:59AM EDT
62715	CREW 107	Wheel Sensor ABS Axle 2 Ri	Data Valid But Above Normal	24	09/24/2014 3:34PM EDT

A callout box with the text 'Codes are listed as they are received' points to the table. At the bottom right of the section is a 'Refresh' button.

Breadcrumb Report Now with Odometer

The breadcrumb report now has a new column indicating the odometer at each event as it was captured. See the image below for details. Note that the current odometer reading is always available using the Device Installation Report and selecting the Odometer Details in the Optional Parameters list on the left.

Generated from FleetOutlook
Breadcrumb Detail Report

Date Range Nov 05, 2014 01:00 AM EST to Nov 06, 2014 12:59 AM EST

Scope Group: Enterprise Group

Generated 06-Nov-2014 3:23 PM EST by: [User Name]

Group By: Level-3 Superintendent
Exclude Vehicle Categories:
Filter on status: Idle, Speeding, Travel, Engine Off, PTO Off, PTO On
Include Latitude/Longitude: false

Time Zone Eastern

Daylight Savings Enabled

Odometer reading down to the event

Group	Vehicle ID	Vehicle Name	Vehicle Category	Timestamp	Odometer (Mi)
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:20:21 AM EST	102879.7
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:20:51 AM EST	102879.7
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:20:56 AM EST	102879.7
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:21:11 AM EST	102879.7
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:22:13 AM EST	102879.7
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:22:46 AM EST	102879.7
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:23:38 AM EST	102880.7
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:23:41 AM EST	102880.7
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:25:40 AM EST	102883.7
(Unassigned)	0199A	FLEET	1 ton	05-Nov-2014 07:26:01 AM EST	102883.7

Posted Speed Violation Report – New Field

Posted speed violation detection is triggered when these two conditions are met: (1) a vehicle reports a speed at or above the over-posted-limit threshold value (e.g., five miles over posted speed limit), and (2) the vehicle continues to report over-posted-limit speeds for greater than the configured time interval (e.g., five minutes). The default values for the conditions are 5 miles over the posted speed threshold and for 4 minutes or more.

FleetOutlook will return a blank, empty report if no drivers meet the speed violation parameters.

Note: Each enterprise can define how a violation is detected. To change the default values, contact the FleetOutlook Customer Support Team at 1-866-456-7522 or by email at solutionsupport@calamp.com.

Fields	Definition
Speeding Violations	Indicates the number of speeding events for the driver during the specified reporting interval. To trigger a violation event, the driver's speed must have met the conditions defined above. An event may have lasted 5 minutes or an hour.
Max Actual Driving Speed (mph)	Reports the max speed reached by the driver's vehicle for the specified reporting interval (e.g., day, week, month). This speed may differ from the reported Max Violation Speed value. A driver may reach a speed of 70 mph on a highway without incurring a violation.
Max Violation Speed	Reports the max speed reported during a posted speed violation event. If a driver has three posted speed violation events, the value reported in this field occurred during one of those three events.

Generated from FleetOutlook

Posted Speed Violation Report (Driver/Vehicle)

Date Range: Nov 05, 2014 01:00 AM EST to Nov 06, 2014 12:59 AM EST

Scope: Group: Enterprise Group

Generated: 06-Nov-2014 3:38 PM EST by

Group By: (None)

Resource: by Driver

Exclude Vehicle Categories:

Over Limit Threshold: 10 mph

Over Speed Time Interval for Violation (min): 4

Time Zone: Eastern

Daylight Savings: Enabled

Maximum speed during the period covered in this report

Maximum speed during a violation

Group	Driver ID	First Name	Last Name	Speeding Violations	Max Actual Driving Speed(mph)	Max Violation Speed(mph)	% of Events Over PSL	Distance(miles)
Enterprise Group	02120	02120	02120	1	75	67	17.0%	106.2
Enterprise Group	06155	06155	06155	2	75	75	21.2%	56.0
Enterprise Group	81809	81809	81809	1	77	77	6.7%	126.0
Enterprise Group	93925	93925	93925	1	78	76	1.0%	232.2

Expanded Device Portfolio – TTU-2820 Plug-in

The TTU-2820 is currently sold as a motorized asset tracker, ideal for trailers, backhoes and bulldozers, or any equipment that moves sporadically and has a 12v power source. CalAmp is introducing a TTU-2820 with a cigarette lighter plug-in adapter that enables temporary use as a vehicle tracker. The device records information on vehicle behavior in a manner similar to the LMU-2620 and LMU-3030 products. The rugged case provides adequate protection from the extra abuse expected with a portable device, and a rubberized non-slip pad enables temporary positioning on the dashboard while in use. Additionally, the on-board battery ensures daily location updates even when unplugged, so a device still be located.



HSPA and Canada/Mexico Roaming

FleetOutlook now supports **3G LMU-2620 HSPA** devices on AT&T. These device provide coverage in areas not currently covered by Verizon, and are third generation, assuring many years of service and support. We also offer roaming coverage in both **Canada** and **Mexico** for our HSPA devices.

Browser Compatibility Update

FleetOutlook and FleetOutlook Administration

FleetOutlook is currently tested against the following browsers. Older browsers may not have all the features of the current FleetOutlook product and CalAmp recommends upgrading to a later browser version.

Browser	Version	Released	Also needs	FleetOutlook Status	Special Notes
Microsoft Internet Explorer	9	March 2011	Adobe Flash 11 ActiveX filter to "off"	End of life; support ends April 2015	1
	10	October 2012	Adobe Flash 11 or higher	Supported	1
	11	October 2013	Adobe Flash 11 or higher	Latest tested as of this release	1
Google Chrome	25	Feb 2013	Adobe Flash 11 or higher	Oldest version supported	
	38	Oct 2014	Adobe Flash 11 or higher	Latest tested as of this release	
Firefox	21	May 2013	Adobe Flash 11 or higher	Oldest version supported	2,3
	33	October 2014	Adobe Flash 11 or higher	Latest tested as of this release	2,3
Apple Safari	n/a	n/a	n/a	Not compatible	

! Important: For all browsers you must enable JavaScript, cookies, and SSL 3.0.

Notes:

- 1) Some formatting of shapes and windows may be missing when using Internet Explorer. For example, window corners may be square instead of rounded. There should be no loss of usability in the product, just some variations in appearance.

- 2) Firefox notes: Be advised that the mouse scroll wheel may not be available for map zooming.
- 3) The combination of Adobe Flash Player and Firefox, may cause the user to see a small "Transferring data..." notification at the bottom of the browser window (this is normal behavior in Firefox with Adobe Flash).

Products that are no longer supported may continue to work with FleetOutlook, however new FleetOutlook tools and functionality may not operate properly or efficiently.

New browser versions have not yet been tested for compatibility with FleetOutlook. They may work acceptably well, but we recommend you avoid using them until they are more stable and FleetOutlook has been tested for compatibility.

MobileNav

Mobile OS	Version	Released	Also needs	FleetOutlook Status	Special Notes
iOS	7.0		n/a	Oldest version supported	
	8.0		n/a	Latest tested as of this release	
Android	4.0	Oct 2011	n/a	Oldest version supported	
	4.3	July 2013	n/a	Latest tested as of this release	

Versions that are no longer supported may continue to work with MobileNav, however new tools and functionality may not operate properly or efficiently.

New OS versions have not yet been tested for compatibility with FleetOutlook. They may work acceptably well, but we recommend you avoid using them until they are more stable and MobileNav has been tested for compatibility.

Contacting Customer Care

Supporting Your Solution Every Time. All the Time.

CalAmp 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.

CalAmp'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.

Contacting Customer Care	
Phone:	866.456.7522
Support Email:	solutionsupport@calamp.com