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#### 8.4 FEATURE SET

The FleetOutlook 8.4 Release Notes outline the new and enhanced features available in the release. Depending on your user profile, you may not have the appropriate permissions to access all of the available features. To download the comprehensive FleetOutlook and FleetOutlook Admin User Guides, log into FleetOutlook, click the Help link, and then click the Document Library icon.

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#### **VEHICLE BUS TAB – ENHANCED**

The enhanced Vehicle Bus tab enables fleet managers to choose on a vehicle-by-vehicle basis whether to use parameters reported from the vehicle bus or data derived from the device. In previous versions of FleetOutlook, the Vehicle Bus tab was labeled the OBD-II tab. It displayed a true/false, read-only view of which OBD-II parameters the vehicle reported from the vehicle bus. Now, this enhanced and interactive tab displays the Vehicle Bus Type reported, OBD-II or Jbus, and the Protocol ID. Plus, you now can select whether to use data reported from the vehicle bus or data derived from the device.

Edit Vehicle				×
Vehicle ID	OBI-3990	Det Fuel Gro	Odo Eng Ve	h
Vehicle Name	OBI 3990	Vehicle Bus Type	OBD-II	
Driver	OB-VPOD Assign Remove	Protocol ID	6-CAN 11 bit	
Device	Replace Remove		Readable From Bus	Use Bus Value
Vehicle Icon	inspired interview	Reports VIN	true	$\checkmark$
venice icon	Change	Reports Vehicle Speed	true	$\checkmark$
Vehicle Status	Active	Reports Vehicle Odometer	false	
Vehicle Category	Sterling 🔹	Reports Fuel Consumption	true	$\checkmark$
Last modified:	- 201-2 221-4 221-22-22 298 227 28-4pr 221-2 41-22-22 298 227			Save

Check the Bus parameters that you w ant to take precedence over the GPS-derived values throughout FleetOutlook and reports.

## **AUTOMATIC JBUS VIN ASSOCIATION**

For devices capable of reporting Jbus VINs, FleetOutlook now provides a more effective and efficient solution for deploying your equipment and heavy-duty vehicles. FleetOutlook's new Automatic Jbus VIN Association supports automatic pairing of a recently installed device to its matching VIN within FleetOutlook. This eliminates the manual process of pairing Jbus-capable devices to vehicles in FleetOutlook.

**Note:** To enable Automatic Jbus VIN Association, contact CalAmp's Technical Support team by phone 1-866-456-7522 or by email: <u>solutionsupport@calamp.com</u>.

There are two methods for employing Automatic Jbus VIN Association:

When a Jbus-capable device reports a VIN that matches an existing VIN in FleetOutlook, it will automatically pair the device to the known vehicle VIN. The vehicle is now tracking in FleetOutlook. To make best use of this method, it is important to create a new vehicle in FleetOutlook and populate its VIN field. In this way, the reported VIN by the device will be matched to the existing VIN in the vehicle settings.

When a Jbus-capable device reports a VIN and cannot find an exact match in FleetOutlook, a new vehicle will be created with the VIN as the Vehicle Name and Vehicle ID. FleetOutlook automatically pairs the device with this new vehicle.

Edit Vehicle								×
		Det	Fuel	Gro	Odo	Eng	Veh	
Vehicle ID	1M8C							
Vehicle Name	1M8G2 miles are the D10 B		VIN	1M80	n(1)#(1)(1)[#(1)#(	886 <b>9</b>		
Driver	OB_2620_3585_Key2B Assign Remove	Licen	se Plate					
Device	MIN:464 ESN:4641 Replace Remove	Licens	se State					
Vehicle Icon	Change		Make	MCI				
Vehicle Status	Active		Model	102C3	Intercity			
Vehicle Category			Year	1989				
			Engine					
		Trans	mission					
Last modified:	Feb-2016 09:52-39 AH 857							Save
Created: Auto Provision	Ove-2018 01-11-09 PM EDT						L	Save

Vehicle created and paired with device by Automatic VIN Association

### **EXPANDED CONSTRUCTION JBUS DATA**

FleetOutlook 8.4 includes an expanded list of Jbus parameters reported, including construction-based health reports with minimum, maximum and average equipment characteristics; engine torque and throttle position percentages; and daily hydraulic data. FleetOutlook's Vehicle Maintenance module includes access to this extended set of hourly and daily messages. This snapshot of under-the-hood information provides fleet managers with a vehicle's current condition, enabling potential maintenance and safety issues to be identified and corrected before becoming costly.

Dashboard Updat	e Vehicles Setup	Schedules	DTC Codes	J1939	Diagnostic Codes	J1708 I	Diagnostic (	Codes		
Vehicle: QA 3585	( Schedule: Elkrid	ge Inspect	ion )							
Vehicle Category	[All]									
venicle category					•					
Vehicle Name	<u>QA 3585</u>				Ve Ve	hicle Bus				
ho Vohielo Buel	ink is available	on tha l	Indata		Vehicle Bus Inform	ation: QA	3585			
he Vehicle Bus l			•		This lis	t contains	s all the mo	ost recent va	alues from J-BUS/OB	RD-II
ehicles screen f	or vehicles rep	orting J-	bus data. 1	īhis		ed vehicl		oc recent re		
nk will only disp	play if the seled	ted vehi	cle is equir	pped						
, vith a device that				•			10			
	•			''		Bus Type rotocol ID	JBus 6-CAN 11	bit		
ne Vehicle Bus I	nformation scr	eenope	ns and			01010110		From Bus	Use Bus Value?	
isplays the late:	st values repor	ted.			Re	ports VIN	true		$\checkmark$	
					Reports Vehic	le Speed	true		$\checkmark$	
					Reports Vehicle (	Odometer	true		$\checkmark$	
					Reports Fuel Con	sumption	true		$\checkmark$	
					Pro	operty			Value	
					Min DEF 1	[emperatu	re	32°F		-
						Temperatu		32°F		-
					-	Femperatu		32°F		1
					_	e Oil Pressu		148 (kPa)		
					Max Engin			148 (kPa)		- 1
					Avg Engine Min Engine (			148 (kPa) 32°F		

Last updated: 15-Feb-2016 09:52:39 AM EST

Close

#### **FIXED ASSET LOW BATTERY ALERT**

With the 8.4 release, FleetOutlook offers improved fixed asset monitoring. Knowing the status and location of your fixed assets is essential to protecting the loss of your equipment. If a device stops communicating, you are in the dark. Now, you can configure the Vehicle Status alert to monitor TTU-720 battery voltage levels. Receive an email or text message when a device reports battery voltage below 5% of capacity.

Group: * WRXMA Enterprise Group Choose	Device: * All Devices
Alert Name: * Asset - Battery Low	Message Type: * Battery Level Low
Alert Type: * Vehicle Status	<ul> <li>Alert on each occurrence of the event</li> </ul>
	Alert only if more than 1
	occurrences of the event in 1 minutes
nfigure one or more alert notification methods	
ail FleetOutlook Text Msg Report Only	
nable Email Alerts	
nail Body To Cc Bcc	
	Email Filter: (None)
Email Subject: * jdoe@calamp.com	
Email Text: 🛊 Device battery low.	

Monitor a single asset or all assets in a selected group.

Configure to monitor low battery voltage.

# ASSET BATTERY LEVEL DISPLAY

The Asset Summary tab displays a list of your fixed assets equipped with TTU-720 devices, their reported locations and the amount of time at those locations. With the addition of the new Battery Level column, this tab provides fleet managers with field reliability for monitoring equipment deployed for long periods.

Мар	Vehicle Summary	Asset Summary	Breadcrun	nb Detail				
Asset	t Summary: QARW	D Enterprise Grou	IP					
			<b>C</b> 1 1					
	Name	Asset ID	Status	Latest Event	Location	Event Time	Time at Location	Battery Level
	RA7 115	RA7-0115		Power Up	13645 Dulles Tech Sunrise Valley Dr Herndon VA 20171	02/15/2016 09:	6d 21hr 49min	96%
	6152-TTU07G	6152-TTU07G		Position	[2248 Longview Dr Triple Oak Ct / Sag Roseville CA 9574;		328d 22hr 14min	75%
	ATU 620	ATU-620		Power Up	[13655 Dulles Tech River Birch Rd Herndon VA 20171	10/01/2014 01:	538d 15hr 41min	54%

New Battery Level column displays the last received battery level for device as a w hole number percentage.

#### **DEVICE POWER SOURCE CHANGE – NEW ALERT**

The Device Power Source Change alert provides real-time notification when a device reports a power source change. Get immediate knowledge via email or text message when a device switches from external power to its battery, and then when it switches back again. The alert contents include the device, paired vehicle, location and time stamp.

Add Alert		×
Group: * Fairfax Choo Alert Name: * Device Battery Power Alert Type: * Device Power Source Change Vehicle Category: (None) Configure one or more alert notification methods Email FleetOutlook Text Msg Report Only	Message Type: * Switched to Battery Power  Any Power Source Change Switched to Battery Power Connected to External Power	Configure one alert to monit w hen a device switches to internal battery pow er, and then configure a second ale to monitor w hen a device sw itches to external battery pow er.
Enable Email Alerts     Email Body To Cc Bcc     Email Subject: * jdoe@calamp.com     Email Text: * Device is on its own battery.	Email Filter: (None) V	
	Add & Activate	Add

#### **BREADCRUMB DETAIL – POWER EVENTS**

FleetOutlook's Breadcrumb Detail displays tracking details for a specific vehicle on a specific day as far back as 90 days. For devices with an internal battery, the Breadcrumb Detail displays a Battery Power event when a device switches from vehicle battery to its internal battery and a Vehicle Power On event when a device switches from its internal battery to vehicle power.

03:10 PM EDT		Battery Power	[34447 Nylander Ter Fremont CA 94555] Vincent	1,194 mi	
05:12 PM EDT	-+	Vehicle Power On	Forest Hills Com / Nylander Ter Fremont CA 94555	1,194 mi	

## INTERNATIONAL LANDMARK ADDRESS SUPPORT

FleetOutlook Landmarks now support addresses outside of Canada and the United States. The new Country field enables you to define and verify international locations of interest or service zones using FleetOutlook's standard circle, polygon or place name properties.

Reef Rd c Stormill New Canada N17 Active (37) Inactive	Rossmore tionville Brixton Brixton Brixton Jan Hofmeyer Crosby Homestead Homestead Harrison Park Mayfair Park	Berea     Image: B
Add Landmark Landmark Category Icon Default Radius 500 f Worksite Landmark GeoFence (no stop required)	Address Correct? Address Diagonal St, Johannesburg, 2001, South Africa	<pre>X X er er Diagonal St ity Johannesburg te Gauteng Zip Yes No ry ZAF Show on Map Save As New ####################################</pre>

## **TRIP REPORT – MAP VIEW CAPABILITY**

The Trip Report now contains drill-to-map view capability for each trip's stop location and two new end location columns: Latitude and Longitude. This report provides a segmented view of a driver's day, highlighting each major leg. Each leg ends with a stop location, typically a driver's next scheduled work site. The new drill-to-map functionality opens the stop location in a new interactive map view, pinned to the stop location's latitude and longitude coordinates. The map include the same features and functionality of FleetOutlook's tracking maps, including map and satellite imagery, zoom controls and unlimited panning. Fleet Supervisors can use the map to see if an unknown stop location is within the proximity of a scheduled work site.

Vehicle Name	Vehicle Category	Start Location	Start Time	Segment Travel Time (secs)	Distance(km)	Stop Location	Latitude (End	Longitude (End	Arrival Time
OBI 3990	Sterling	6546 Hurtshire C	10-Feb-2016 06:23	0h:08m	6.9	5990 Old Washi	38,2118348	-75.7162751	10-Feb-2016 06:3
OBI 3990	Sterling	5392 Cite Weekler	10-Feb-2016 07:03	0h:08m	6.8	6550 Huntshire	38 1838493	-76.7713415	10-Feb-2016 07:1
OBI 3990	Sterling	(6552 Humbline C	10-Feb-2016 09:18	1h:01m	80.6	13655 Dulles T	38.9568083	-77.4146271	10-Feb-2016 10:2
OBI 3990	Sterling	13655 Dulles Teo	11-Feb-2016 05:11	1h:47m	79.8	6549 Huntshire	38 1838626	-76.771385	11-Feb-2016 06:5
OBI 3990	Sterling	6540 Humbilie C	12-Feb-2016 04:40	0h:29m	29.9	6546 Huntshire	38 1858268	-76.7718715	12-Feb-2016 05:0
OBI 3990	Sterling	6546 Humbhire C	12-Feb-2016 08:13	0h:04m	3.7	Unnamed Stree	38-21121835	-76.7788555	12-Feb-2016 08:1
OBI 3990	Sterling	Umaned Steel	12-Feb-2016 08:22	0h:05m	3.9	6546 Huntshire	38 183826	-76.7713958	12-Feb-2016 08:2
OBI 3990	Sterling	6546 Humbilie C	12-Feb-2016 09:18	0h:31m	30.6	6546 Huntshire	38 183827	-76.7728623	12-Feb-2016 09:4
OBI 3990	9			8	2	6 Upels	Springer	$\rightarrow$	



# EXPANDED DEVICE PORTFOLIO – A LOOK AHEAD

FleetOutlook's device portfolio is expanding to include new devices that provide greater field reliability for managing assets and vehicles, including connected service vehicles, construction equipment, heavy machinery and warehouse machines.

To learn more about these various devices and check availability in your region and on your chosen carrier, contact your sales rep by phone at 703.262.4040 or by email at <u>fleetoutlooksales@calamp.com</u>.



#### LMU-4230 - COMING SOON

The LMU-4230 has the features, expandability, and flexibility with the intelligence to meet customers' ever-changing needs in fleet management. The LMU-4230 supports a broad range of wireless connection options and comes equipped with either light or heavy duty vehicle interfaces. The LMU-4230's expandability and flexibility are key to lowering the cost of delivering, supporting, and growing fleet management solution.



#### LMU-4520 - COMING SOON

The LMU-4520 is a fully weatherproof, dual-mode, location-andmessaging device for construction markets that features both satellite and cellular communications as well as connection to the vehicles ECU. It offers a full set of fleet management features, along with an IP67 environmental rating



#### LMU-5530 MOBILE ROUTER – COMING IN 2016

The LMU-5530 Mobile Router offers an all-in-one mobile communications solution for industrial, utility, transportation and enterprise customers. It offers a full set of fleet management features, with high-speed, secure LTE broadband wireless connectivity in a rugged industrial design, with optional Wi-Fi and high-precision GPS for mobile applications.

## **TECHNICAL SUPPORT**

#### 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 Technical 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.

There are two ways to contact the Technical Support Team:

Phone: Support Email: 866.456.7522 solutionsupport@calamp.com