Fleet Outlook®

8.2 Release Notes

8.2 FEATURE SET

The FleetOutlook 8.2 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.

AUTOMATIC DRIVER ASSIGNMENTS

FleetOutlook 8.2 now supports automatic driver-to-vehicle assignments. Automatic driver assignment captures who was driving which vehicle and when, even for fleets with crews who share vehicles, crews who select vehicles at the start of a shift, or crews who may come and go throughout the day with different vehicles. FleetOutlook reports who was assigned to what vehicle and all activity while assigned.

Each driver is assigned a key fob, and each vehicle is equipped with a key fob reader. Drivers must present their assigned key fob at the start of each trip. Additionally, in the event a driver does not present a key fob, a buzzer will begin chirping after vehicle ignition on.

Buzzer parameters can be customized for each enterprise to match a fleet's unique operational challenges. The following parameters are set by default.

- After ignition on, the driver has a grace period to present the key fob. By default, the grace period is five seconds. To modify the interval, contact CalAmp's Technical Support team.
- After the grace period, the buzzer will chirp. By default, the chirping will last for 30 seconds and will stop when a key is presented to the reader. To modify chirping period, contact CalAmp's Technical Support team.
- After ignition off, the driver will remain assigned to the vehicle for a default period of 60 minutes, eliminating the need for the driver to present the key fob after each short stop. Enterprise administrators can modify the default setting in FleetOutlook Admin.

Note: You must have LMU-2620 equipped with a special harness to enable the automatic driver assignments.

Mid-day different driver to same vehicle assignment

Mid-day same driver to different vehicle assignment

Vehicle Name	Last Name	Timestamp	Event	Status	Location
VN-302	Galbraith	31-Jul-2015 07:33:5	IGON	IGOFF	4679 Autumn Glory
VN-302	Galbraith	31-Jul-2015 07:34:0	START	IGON	4668 Autumn Glory
VN-302	Galbraith	31-Jul-2015 07:35:0	MOVING NW:24mp	IGOFF	4519 Lees Corner F
VN-302	Galbraith	31-Jul-2015 07:35:1	MOVING N:35mph	IGON	4505 Lees Corner F
VN-302	Galbraith	31-Jul-2015 07:35:5	MOVING NE:30mpl	IGOFF	4302 Lees Corner F
VN-302	Galbraith	31-Jul-2015 07:36:4	MOVING NE:0mph	IGON	4115 Lees Corner F
VN-302	Galbraith	31-Jul-2015 07:36:5	MOVING NE:29mpl	START	4113 Lees Corner F
VN-302	Galbraith	31-Jul-2015 07:38:0	MOVING N:39mph	MOVING SW:0mph	Lees Corner Rd Ho
VN-302	Galbraith	31-Jul-2015 07:40:0	MOVING N:45mph	MOVING NW:30mp	3420 Lees Corner F
VN-302	Johnson	31-Jul-2015 07:40:4	MOVING W:2mph	IGOFF	Lees Corner Rd Ce
VN-302	Johnson	31-Jul-2015 07:40:4	MOVING W:0mph	STOP	Lees Corner Rd Ce
VN-302	Johnson	31-Jul-2015 07:40:5	MOVING N:16mph	IGON	3399 Centreville Rd
VN-302	Johnson	31-Jul-2015 07:40:5	MOVING N:42mph	MOVING NW:0mph	3329 Centreville Rd
VN-302	Johnson	31-Jul-2015 07:42:5	MOVING N:48mph	START	2801 Centreville Rd
VN-302	Johnson	31-Jul-2015 07:44:5	MOVING N:40mph	MOVING N:16mph	Centreville Rd McN
VN-302	Johnson	31-Jul-2015 07:45:2	MOVING N:0mph	STOP	Centreville Rd Copp
VN-302	Johnson	31-Jul-2015 07:47:0	MOVING NW:22mp	IGOFF	Centreville Rd Copp
VN-320	Johnson	31-Jul-2015 07:47:0	MOVING NW:25mp	IGON	Centreville Rd Copp
VN-320	Johnson	31-Jul-2015 07:47:2	MOVING N:22mph	IGOFF	River Birch Rd Vent
VN-320	Johnson	31-Jul-2015 07:47:3	MOVING NW:35mp	IGON	River Birch Rd Eins
VN-320	Johnson	31-Jul-2015 07:47:4	MOVING N:38mph	STOP	2480 River Birch Rc
VN-320	Johnson	31-Jul-2015 07:47:5	MOVING NE:35mpl	IGOFF	2421 River Birch Rc

DRIVER UTILIZATION – NEW CO-LOCATION COLUMNS

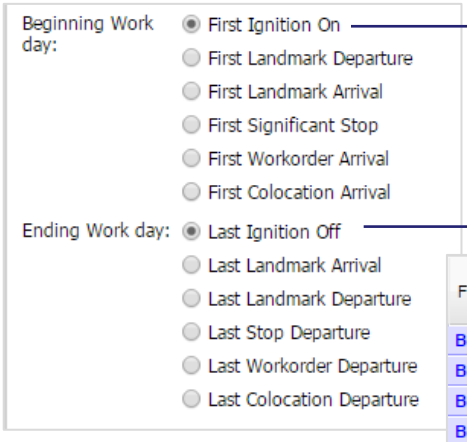
The Driver Utilization report provides a workday view of each driver's daily statistics in either a summarized or a daily arrangement. The report includes three new co-location columns for enhanced productivity reporting of when and where drivers are spending time together at both work and non-work locations. Plus, the new co-location Workday Beginning and End filters enable fleet supervisors to measure a driver's workday based on the first co-location arrival and the last co-location departure.

How does co-locating work? When a vehicle stops for more than the enterprise-defined work stop duration, FleetOutlook starts counting any additional vehicles that arrive and depart from that location. Total counts and time spent during co-location events is accumulated and presented in several reports.

FleetOutlook provides fleet managers with the flexibility to exclude certain landmarks from co-locating reporting, so common congregation points like yards and offices are not included in the metrics.

Note: To enable co-locating reporting, contact CalAmp's Technical support by phone: 1-866-456-7522 or by email: solutionsupport@calamp.com.

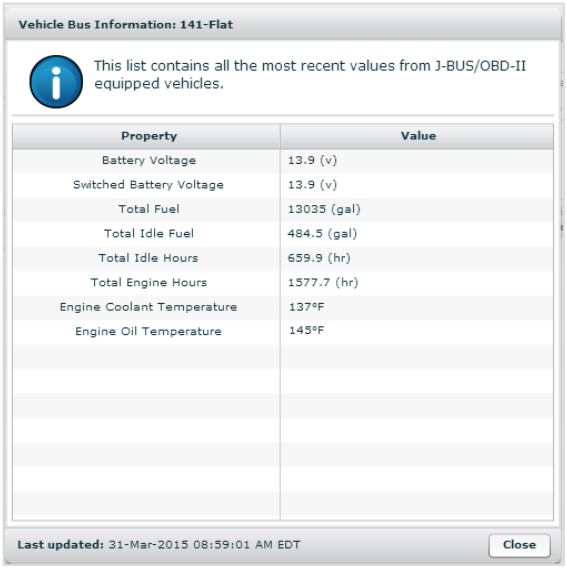
Report	Field	Information Reported
Driver Utilization	First Co-location Arrival	Arrival time at first co-location
	Last Co-location Departure	Departure time at last co-location
	Workday Duration	Calculated using first/last Co-Lo events
	Time at Co-location	Accumulated time at co-location events
	% of Co-location Time	% of day at a co-location destination
For customers that do not have the co-location reporting enabled, the above report columns will be visible but without data.		



First Name	Last Name	Date	First Co-Location Arrival(beta)	Last Co-Location Departure(beta)	Work Day Duration
Brian	Hitchcroft	26-Jul-2015	03:35 PM	09:19 PM	5h:43m
Brian	Hitchcroft	27-Jul-2015	07:44 AM	05:17 PM	9h:32m
Brian	Hitchcroft	28-Jul-2015	07:36 AM	09:33 PM	13h:57m
Brian	Hitchcroft	29-Jul-2015	07:33 AM	11:08 PM	15h:35m
Brian	Hitchcroft	30-Jul-2015	07:32 AM	07:24 PM	11h:51m
Mary	Shull	31-Jul-2015	07:33 AM	07:49 AM	0h:15m
Mary	Shull	26-Jul-2015	03:36 PM	07:25 PM	3h:48m
Mary	Shull	27-Jul-2015	09:05 PM	10:09 PM	1h:03m
Mary	Shull	28-Jul-2015	07:41 AM	07:12 PM	11h:31m
Mary	Shull	29-Jul-2015	07:55 AM	06:57 PM	11h:01m
Mary	Shull	30-Jul-2015	08:01 AM	08:46 PM	12h:44m
Ronald	Galbraith	31-Jul-2015	07:34 AM	08:19 AM	0h:45m

EXPANDED Jbus DATA

FleetOutlook 8.2 includes enriched Jbus integration for expanded vehicle coverage and engine data. Heavy-duty vehicles are typically equipped with a vehicle monitoring and control bus that conforms to the J1708 or J1939 standards, commonly referred to as Jbus. FleetOutlook's Vehicle Maintenance module now includes access to an extended set of vehicle condition values reported by a vehicle's Electronic Control Units (ECU). 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 expensive costs.



The Vehicle Bus link is available on the Update Vehicles screen for vehicles reporting J-bus information. When clicked, the Vehicle Bus Information screen opens and displays the latest values reported by the vehicle. This link will only display if the selected vehicle is equipped with a device that reports Jbus data.

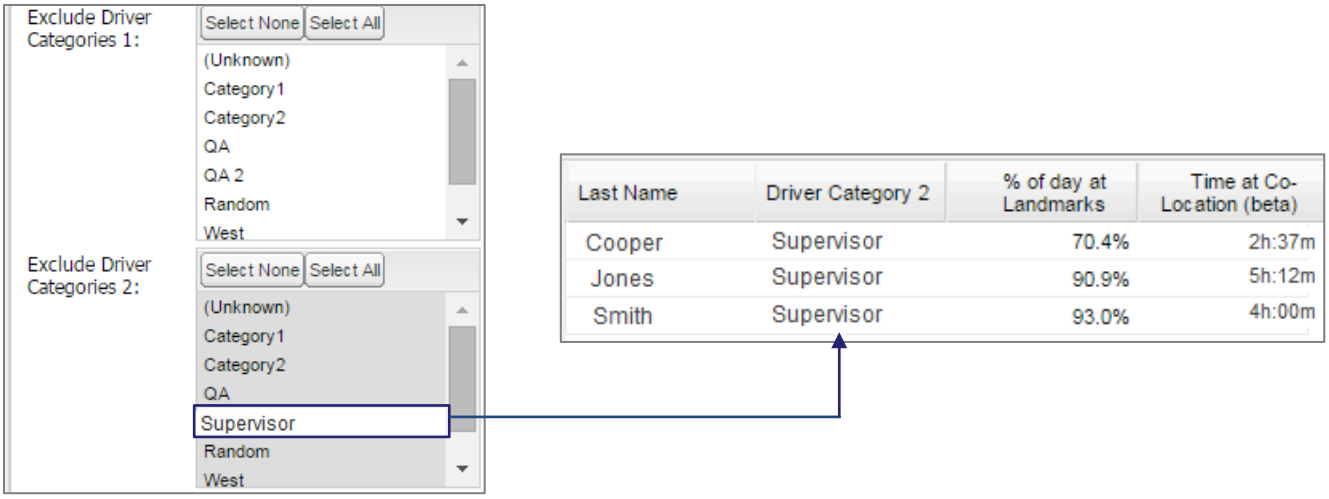
Note: In addition to the FleetOutlook interface, CalAmp's Data Pump and Open Partner Interface (OPS) services report the expanded Jbus parameters through web service calls.

FIELD	DESCRIPTION	AVAILABLE
Vehicle VIN	Vehicle VIN	Reports, Data Pump & OPI
Odometer	Vehicle latest reported odometer in x.x miles	FleetOutlook UI, Data Pump & OPI
High Resolution Odometer	Vehicle latest reported HR odometer in x.x miles	FleetOutlook UI, Data Pump & OPI
Battery Voltage	Main battery in x.x volts	FleetOutlook UI, Data Pump & OPI
Switched Battery Voltage	Regulated voltage supply in x.x volts	FleetOutlook UI, Data Pump & OPI
Total Engine Hours	Lifetime reading of hour spent with the engine on in x.x hours	FleetOutlook UI, Data Pump & OPI
Total Fuel	Lifetime reading of fuel consumed by the engine in x.x gallons	FleetOutlook UI, Data Pump & OPI
Total Idle Fuel	Lifetime reading of fuel consumed by the engine while not in motion in x.x gallons	FleetOutlook UI, Data Pump & OPI
Total Idle Hours	Lifetime number of hours spent with the engine on while not in motion in x.x hours	FleetOutlook UI, Data Pump & OPI
Engine Coolant Temp	Reported in xx degrees F	FleetOutlook UI, Data Pump & OPI
Engine Oil Temp	Reported in xx degrees F	FleetOutlook UI, Data Pump & OPI

DRIVER CATEGORY FILTER

With FleetOutlook 8.2, you can now filter report data by driver category in both the Trip and Driver Utilization reports. The Driver Category filter identifies drivers by category, providing a robust and flexible reporting comparison of performance and utilization statistics across driver categories. When combined with FleetOutlook's new co-location reporting, the driver category filter enables fleet managers to generate report data for a specific category, such as supervisor, and then study time spent with crews, supervisor-by-supervisor.

Note: You can add a second category to any driver from within FleetOutlook Admin, from the Manage Resources tab in FleetOutlook or through the driver bulk upload template.



Supervisor-by-supervisor analysis using the Driver Utilization report

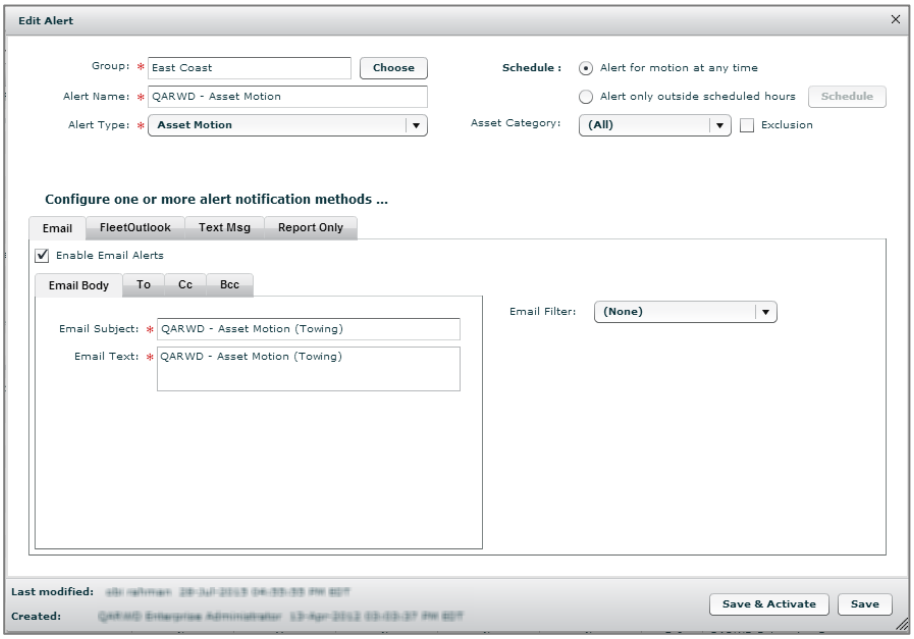
TTU-2820 MOTION EVENTS

FleetOutlook now records Motion events when an asset equipped with a TTU-2820 moves more than 500 feet while the ignition is off. When the device is on vehicle battery and motion is detected, the device reports a Motion event and then returns to sleep for ten minutes. When on internal battery, the motion event is reported every hour. Once motion stops, a Position event is sent and the device returns to sleep. The Motion and Position events are captured on the asset's breadcrumb detail.

Additionally, fleet managers can configure the Asset Motion alert to provide real-time notification as assets are moved from work site to work site or if there are unplanned asset movements out in the field.

Motion events and alerts displayed on the breadcrumb detail

Motion alert configuration screen



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:	866.456.7522
Support Email:	solutionsupport@calamp.com