

# FleetOutlook® Release Notes



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## Introduction

The FleetOutlook 7.7 Release Notes outline the new or enhanced features available in this latest release. The 7.7 release theme is Identifying Fleet Trends. This release provides you with the tools and functionality to help you measure and monitor the performance and efficiency of your fleet. The new and improved analytics enable you to dynamically query data to provide at-a-glance insight to the recurring patterns across your fleet.

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.

## Expanded Device Portfolio – LMU-3030

The LMU-3030 is a full-featured tracking unit from CalAmp and features small size, superior GPS performance, OBD-II interface, backup battery, and a patent-pending triple-axis accelerometer motion sensing technology for detecting aggressive driving maneuvers such as harsh acceleration, braking and cornering. With optimized internal antennas, a backup battery for tamper reporting and a compact size, the "plug-and-go" LMU-3030 can be quickly and easily installed. The direct interface with the vehicle data bus provides comprehensive access to vehicle information and fault codes that help assess status and operational characteristics.

**Note:** The LMU-3030 will support all the features currently supported by the LMU-3000, with the additional ability to send an alert when the device has lost power.



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 J-bus data.

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## Posted Speed Violation Report – Improved Detection

The Posted Speed Violation Report includes improved posted speed violation detection. Each enterprise can define how a violation is detected. The default values for the conditions are 5 miles over the posted speed threshold and for 4 minutes or more. Detection is triggered when these two conditions are met: (1) a vehicle reports a speed at or above the over-posted-limit threshold value, and (2) the vehicle continues to report over-posted-limit speeds for greater than the configured time interval.

**Note:** To change the default values, contact the FleetOutlook Customer Support Team at 1-866-456-7522 or by email [solutionsupport@calamp.com](mailto:solutionsupport@calamp.com).

Generated from FleetOutlook>

### Posted Speed Violation Report (Driver/Vehicle)

**Date Range** Apr 20, 2014 12:00 AM EST to Apr 26, 2014 11:59 PM EST  
**Scope** Group: RWD Enterprise Group  
**Generated** 29-Apr-2014 2:56 PM EST  
Group By: (None)  
Resource: by Driver  
Exclude Vehicle Categories:  
**Over Limit Threshold** 5 mph  
**Consecutive Over-Speed Events** 5  
**Time Zone** Eastern  
**Daylight Savings** Enabled

Group	Driver ID	First Name	Last Name	Speeding Violations	Max Speed(mph)	% of Events Over PSL	Distance(miles)
QARWD Enterprise Group	2479-QADID	2479	QA	1	80	4.2%	57.3
QARWD Enterprise Group	R26G-1006	R26G	1006	3	77	9.3%	395.1
(Total)	2			4	80	6.0%	659.5

## Analytics – More Robust and Easier Than Ever

The FleetOutlook 7.7 release includes new and improved analytic-ready data to help you identify fleet trends. FleetOutlook's Analytics give you data in a massively flexible format with easy-to-use tools to quickly slice and filter data in an infinite number of ways. Do you want to drill-down or drill-across your fleet hierarchy to compare idle parameters by different vehicle types, managed by different supervisors, on different shifts? Using FleetOutlook Analytics, you can do this and more in minutes.

### What is Analytics?



**Easy.** Three steps. Generate, export, paste.



**Fast.** Simply click a button to pull specific metrics from big chunks of data.



**Dynamic.** Quickly switch views to find hidden answers in the data.

### What Can Analytics Do?



Reduce late starts to the day. Increase on time arrivals.



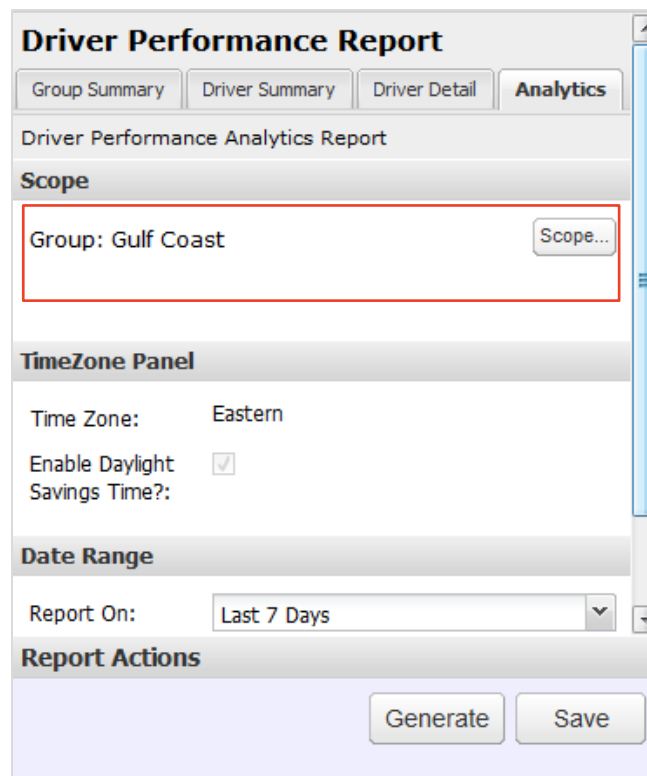
Identify potential performance and productivity concerns.



Improve driver scorecards. Improve customer service. Reduce operating costs.

## **Analytics View – New Scope Option**

In previous versions of FleetOutlook, you could generate analytic output for your entire enterprise only. With this latest release, FleetOutlook now supports generating analytic-ready data for a specific group in your fleet. This new group selection option is available for all reports with an Analytics view. Simply click the Scope option on the Report Configurations screen to select a specific group. Group filtering enables you to generate a smaller sub-set of data to further simplify your analysis of driver-to-driver or vehicle-to-vehicle comparisons.



The screenshot displays the 'Driver Performance Report' configuration window, specifically the 'Analytics' tab. The window has a title bar and a tabbed interface with four tabs: 'Group Summary', 'Driver Summary', 'Driver Detail', and 'Analytics'. The 'Analytics' tab is active, showing the 'Driver Performance Analytics Report' title. Below this, the 'Scope' section is highlighted with a red border and contains a text field labeled 'Group: Gulf Coast' and a 'Scope...' button. The 'TimeZone Panel' section below it shows 'Time Zone: Eastern' and 'Enable Daylight Savings Time?' with a checked checkbox. The 'Date Range' section has a 'Report On:' label and a dropdown menu set to 'Last 7 Days'. At the bottom, the 'Report Actions' section contains 'Generate' and 'Save' buttons.

## **Trip Report – Improved Analytics View**

The Trip Report's Analytics View now displays the analytics-ready output directly on the FleetOutlook screen, enabling you to survey the data before exporting. Export and paste the data into the pre-configured analytics template to study trip characteristics across your fleet. Sort and filter to isolate arrival and departure times, stop locations, frequency of common trips, drive time to common locations and first/last stops of the day. Analytics templates are provided free of charge and can be downloaded from the online help portal within FleetOutlook.

**Note:** Prior to utilizing the new Analytics View, verify your organization's FleetOutlook group hierarchy follows the structure enabled in the FleetOutlook 7.5 release.

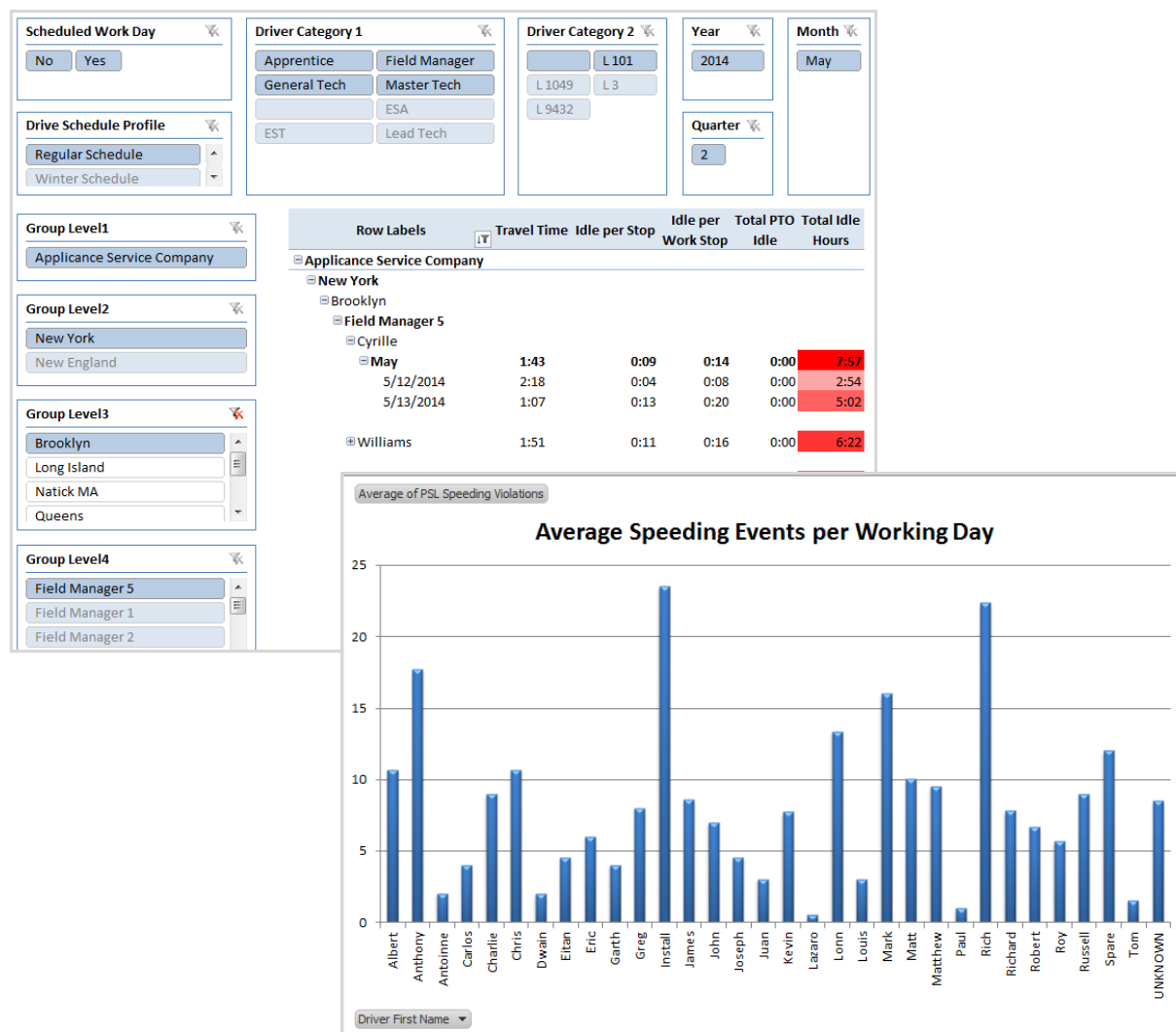
Date	Month	Quarter	Week	Weekday	Year	Time Zone	EnterpriseID	Group Level1	Group Level2
22-Apr-2014	April	Q2	17	Tuesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
22-Apr-2014	April	Q2	17	Tuesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
22-Apr-2014	April	Q2	17	Tuesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
22-Apr-2014	April	Q2	17	Tuesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
22-Apr-2014	April	Q2	17	Tuesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
23-Apr-2014	April	Q2	17	Wednesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
23-Apr-2014	April	Q2	17	Wednesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
23-Apr-2014	April	Q2	17	Wednesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
23-Apr-2014	April	Q2	17	Wednesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
23-Apr-2014	April	Q2	17	Wednesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
23-Apr-2014	April	Q2	17	Wednesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
23-Apr-2014	April	Q2	17	Wednesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
23-Apr-2014	April	Q2	17	Wednesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
24-Apr-2014	April	Q2	17	Thursday	2014	EDT	QARWD	QARWD Enterprise	East Coast
24-Apr-2014	April	Q2	17	Thursday	2014	EDT	QARWD	QARWD Enterprise	East Coast
24-Apr-2014	April	Q2	17	Thursday	2014	EDT	QARWD	QARWD Enterprise	East Coast
24-Apr-2014	April	Q2	17	Thursday	2014	EDT	QARWD	QARWD Enterprise	East Coast
25-Apr-2014	April	Q2	17	Friday	2014	EDT	QARWD	QARWD Enterprise	East Coast
25-Apr-2014	April	Q2	17	Friday	2014	EDT	QARWD	QARWD Enterprise	East Coast
28-Apr-2014	April	Q2	18	Monday	2014	EDT	QARWD	QARWD Enterprise	East Coast
28-Apr-2014	April	Q2	18	Monday	2014	EDT	QARWD	QARWD Enterprise	East Coast
22-Apr-2014	April	Q2	17	Tuesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
22-Apr-2014	April	Q2	17	Tuesday	2014	EDT	QARWD	QARWD Enterprise	East Coast
22-Apr-2014	April	Q2	17	Tuesday	2014	EDT	QARWD	QARWD Enterprise	East Coast

## Driver Performance Report – New Analytics View

The Driver Performance Report now includes a fourth view – Analytics View. This new view provides output ready to use for analytics or for creation of custom scorecards.

Simply paste the report output into the Driver Performance Analytics template, available from the Help portal, and then drill down and across to study work performance by driver or group over a specified reporting interval. For example, you can filter the analytics template to study weekend data outside of work week hours. You can study driver performance by individual days to compare Monday-to-Monday data. Additionally, you can create custom filters to isolate the performance metrics most important to your fleet.

**Note:** Prior to utilizing the new Analytics View, verify your organization's FleetOutlook group hierarchy follows the structure enabled in the FleetOutlook 7.5 release.



## Driver Utilization Report – New Analytics View

The Driver Utilization Report now includes a fourth view – Analytics View. This new view provides an analytics-ready output, enabling you to manipulate multiple dimensions of FleetOutlook data over days, weeks or even several months by simply clicking pre-defined filter buttons. You can study both the current and historical trends for the key measurements important to your bottom line, such as identifying chronic overtime, late departures on specific days of the week and high travel averages when compared to the rest of the group.

**Note:** Prior to utilizing the new Analytics View, verify your organization's FleetOutlook group hierarchy follows the structure enabled in the FleetOutlook 7.5 release.

Year

2014

Month

5

Weekday

Monday Tuesday

Wednesday Sunday

Scheduled Work Day

No Yes

Drive Schedule Profile

Winter Schedule

Regular Schedule

Driver Home Landmark

Boston Office Providence O...

NY East Office NY West Office

Group Level2

New England

New York

Group Level3

Natick MA

Rhode Island

Brooklyn

Long Island

Queens

Staten Island

Group Level4

Field Manager 6

Field Manager 7

Field Manager 8

Field Manager 1

Field Manager 2

Row Labels	Expected Yard Departure	Yard Departure	Yard Return	Expected Yard Return	Yard to Yard Workday	Expected Work Hours	
<div> <div>Northeast Division</div> <div> <div>New England</div> <div> <div>Boston MA</div> <div> <div>Field Manager 6</div> <div> <div>Andy</div> <div> <div>7:30 AM</div> <div>9:00 AM</div> <div>5:58 PM</div> <div>4:00 PM</div> <div>8:58</div> <div>8:30</div> </div> </div> </div> </div> </div> </div>	5/12/2014	7:30 AM	12:05 PM	8:47 PM	4:00 PM	8:41	8:30
	5/13/2014	7:30 AM	7:31 AM	4:25 PM	4:00 PM	8:54	8:30
	5/14/2014	7:30 AM	7:24 AM	4:43 PM	4:00 PM	9:18	8:30
	Doug	7:30 AM	7:49 AM	6:31 PM	4:00 PM	10:41	8:30
	5/14/2014	7:30 AM	7:49 AM	6:31 PM	4:00 PM	10:41	8:30
	John	7:30 AM	9:07 AM	7:54 PM	4:00 PM	10:47	8:30
	5/12/2014	7:30 AM	11:51 AM	8:07 PM	4:00 PM	8:15	8:30
	5/13/2014	7:30 AM	7:46 AM	7:36 PM	4:00 PM	11:50	8:30
	5/14/2014	7:30 AM	7:43 AM	7:59 PM	4:00 PM	12:15	8:30
	Larry	7:30 AM	7:38 AM	5:10 PM	4:00 PM	9:32	8:30
	5/12/2014	7:30 AM	7:55 AM	4:57 PM	4:00 PM	9:02	8:30
	5/13/2014	7:30 AM	7:34 AM	6:09 PM	4:00 PM	10:35	8:30
	5/14/2014	7:30 AM	7:26 AM	4:25 PM	4:00 PM	8:59	8:30
	Paul	7:30 AM	9:17 AM	2:24 PM	4:00 PM	5:07	8:30
	5/14/2014	7:30 AM	9:17 AM	2:24 PM	4:00 PM	5:07	8:30
	Matt	7:30 AM	10:42 AM	3:04 PM	4:00 PM	4:21	8:30

## Web Services – More Data Added

FleetOutlook provides data processing and Application Programming Interface (API) services to enterprises requiring an automated process to obtain event message data from assets reporting periodically. This process enables enterprises to utilize the FleetOutlook data within their own applications and reporting systems, in addition to employing FleetOutlook applications. With the FleetOutlook 7.7 release, the following events have been added to the protocol.

### **Mixed Fleet Asset Events**

Responses now include events sent by non-motorized and motorized assets while on battery power. Additionally, non-motorized asset events include the percentage of battery charge remaining.

Battery Power On	The non-motorized asset has been connected, or the motorized asset utilizing its battery for power.
Position	The non-motorized asset has moved, or the motorized asset has detected motion while on battery power.
Moving	The periodic location update. For motorized assets, the periodic location update is only reported while on battery power.
POWUP	Note that Motorized Assets will send a POWUP event when they switch from battery power to vehicle power.

### **Speeding Events**

Now, when vehicles have exceeded the enterprise-defined speeding threshold, a Speeding event is identified and included in the AVL event. The Speeding event includes the beginning and end of the event as well as the event duration and maximum speed reported by the device.

### **J-bus Diagnostic Codes**

With the 7.7 release, the AVL events reported through web services will now include diagnostic codes generated J-bus equipped vehicles. This provides fleet managers with key vehicle bus data to identify potential maintenance issues and address proactively.

## 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