



Fleet Outlook®

8.1 Release Notes:
More Reporting, More Power.

8.1 FEATURE SET

The FleetOutlook 8.1 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 in FleetOutlook, click the Help link, and then click the Document Library icon.

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DRIVER SCORECARD REPORT

FleetOutlook's new Driver Scorecard Report puts everything fleet managers need to know about their drivers into a single, consolidated view. Study work performance and behavior for an individual driver or evaluate group-by-group comparisons over a specified reporting interval, and then isolate the metrics most important to you. Fleet Managers can trim the comprehensive Driver Scorecard Report into several succinct views of driver Key Performance Indicators (KPIs). Save these views as customized scorecard reports, and then schedule for automated delivery.

| Generated from FleetOutlook QA Real World | | | | | | |
|----------------------------------------------|--------------------------------------------------------|-----------------|-------------------------|------------------|---------------------------|---------------------|
| Driver Scorecard Report (Driver Summary) | | | | | | |
| Date Range | Mar 01, 2015 03:00 AM EST to Mar 27, 2015 01:14 PM EST | | | | | |
| Scope | Group: QARWD Enterprise Group | | | | | |
| Generated | 27-Mar-2015 1:14 PM EST by Bob Reynolds | | | | | |
| | Group By: (None) | | | | | |
| | Exclude Vehicle Categories: | | | | | |
| Time Zone | Eastern | | | | | |
| Daylight Savings | Enabled | | | | | |
| Driver ID | Max Speeding Events | Max Speed(mi/h) | PSL Speeding Violations | PSL Over Limit % | Rapid Acceleration Events | Hard Braking Events |
| R26G-1005 | 148 | 83.0 | 317 | 10.8% | 266 | 208 |
| R26G-1006 | 13 | 73.0 | 29 | 3.9% | 141 | 71 |
| R30C-9466 | 0 | 0.0 | 0 | 0.0% | 0 | 0 |
| Asset Driver | 1 | 67.0 | 27 | 4.1% | 120 | 68 |

Driver Scorecard Example - Customized for Safety

| Row Labels | Idle Time | Distance Driven | First Ignition On | Work Day Duration | PSL Speeding Violations | Hard Braking Events |
|-------------------------------|-----------|-----------------|-------------------|-------------------|-------------------------|---------------------|
| County Staff | | | | | | |
| Admin | | | | | | |
| (blank) | 0:38 | 56.5 | 7:47 AM | 6:29 | 1.6 | 11.6 |
| Asset and Facility Management | 0:43 | 34.5 | 8:33 AM | 5:52 | 0.1 | 7.1 |
| Business and Financial Mgmt | 0:10 | 29.6 | 7:54 AM | 4:28 | 0.0 | 1.0 |
| Community Support Services | | | | | | |
| (blank) | 0:12 | 25.7 | 10:32 AM | 3:19 | 0.6 | 0.4 |
| Department of Social Services | | | | | | |
| Senior Nutrition | 0:26 | 26.7 | 9:13 AM | 3:41 | 0.2 | 5.7 |
| Environmental | | | | | | |
| (blank) | 0:11 | 26.0 | 8:44 AM | 2:05 | 0.4 | 2.0 |
| Air Quality | 0:07 | 22.9 | 9:08 AM | 3:34 | 0.2 | 1.5 |
| Code Enforcement | 1:08 | 68.9 | 6:56 AM | 8:51 | 0.7 | 7.0 |
| Solid Waste | 0:13 | 37.3 | 8:21 AM | 4:12 | 0.1 | 2.5 |
| Water and Land Resources | 0:26 | 46.2 | 9:03 AM | 4:27 | 0.6 | 2.8 |
| Health Department | | | | | | |
| Medical Records | 0:36 | 40.8 | 6:34 AM | 7:41 | 0.0 | 3.7 |
| Public Library | | | | | | |
| (blank) | 0:15 | 47.3 | 5:40 AM | 5:14 | 0.4 | 3.0 |
| Sheriff's Office | | | | | | |
| (blank) | | | | | | |
| (blank) | 0:59 | 37.0 | 4:15 PM | 7:11 | 3.0 | 6.6 |
| Field Operations | | | | | | |
| (blank) | 1:42 | 71.3 | 11:38 AM | 10:23 | 15.0 | 18.3 |
| CJU | 2:07 | 57.7 | 7:34 AM | 7:26 | 3.3 | 11.6 |
| D Shift | 1:32 | 90.2 | 6:43 AM | 9:35 | 10.5 | 14.9 |

Driver Scorecard Analytics Example – Safety Scorecard

CO-LOCATION REPORTING

FleetOutlook’s newest productivity reporting provides fleet managers a window into when and where drivers are spending time together at both work and non-work locations. Know when they arrived, how many other vehicles were present, and when they departed. You can measure a driver’s workday based on the first co-location event start time and the last co-location departure. Roll up a day’s worth of activity to see how much of their day was spent at co-location events.

How does co-locating work? When two or more vehicles are stopped at the same landmark for more than the specified work stop duration, FleetOutlook starts tracking the vehicles that arrive and depart from that location.

Note: FleetOutlook provides fleet managers with the flexibility to exclude landmarks from co-locating reporting.

Name

CalAmp Irvine

Shape

☐ Circle

☒ Polygon

☐ Place Name

Landmark Category

HQ

Icon

Company Office

Vertices

| Lat | Lon |
|-----------|-------------|
| 33.640322 | -117.738802 |
| 33.640322 | -117.738855 |
| 33.640325 | -117.738802 |

Add

Remove

Worksite Landmark

☒

Exclude from colocations

☐

GeoFence (no stop required)

☐

Note: Co-location reporting is a beta feature. Columns will display on the reports listed below, but will be empty until the feature is fully released for your FieldPro fleet. 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 Scorecard | Co-Location Stops | Indicates the number of co-location stops for the reporting interval |
| | First Co-location Arrival | Arrival time at first co-location |
| | Last Co-location Departure | Departure time at last co-location |
| Driver Utilization (All Views) | First Co-location Arrival | Arrival time at first co-location |
| | Last Co-location Departure | Departure time at last co-location |
| | Workday Hours | Calculated using first/last Co-Lo events |
| Trip Report (Detail and Analytics Views) | Co-located Vehicles | Indicates the number of other drivers/vehicles that are co-located at a leg destination |
| For customers that do not have the co-location reporting enabled, the above report columns will be visible but without data. | | |

IDLE REPORT - ENHANCED

The Idle Report now displays idle events as either Working Idle or Waste Idle. Working Idle is the amount of time that the ignition is on, the vehicle is not moving and PTO is engaged. Waste Idle is the total amount of time that the ignition is on, the vehicle is not moving and PTO is not engaged. This provides fleet managers with an at-a-glance view of idle events for an entire fleet, select group or individual vehicles.

Note: You must wire a PTO sensor to a digital input on the device to record this activity, and the Digital Input must be marked as Omit PTO Idle in FleetOutlook Admin.

| Vehicle ID | Date/Time | Location | Working Idle Time | Working Idle Cost (\$) | Waste Idle Time | Waste Idle Cost (\$) | Total Idle Time | Total Idle Cost (\$) |
|------------|-------------------|-----------------------|-------------------|------------------------|-----------------|----------------------|-----------------|----------------------|
| 10000 | 09-Apr-2015 01:15 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 5h:45m | 8.07 | 5h:45m | 8.07 |
| 10000 | 07-Apr-2015 12:43 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 3h:42m | 5.20 | 3h:42m | 5.20 |
| 10000 | 09-Apr-2015 08:55 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 3h:31m | 4.94 | 3h:31m | 4.94 |
| 10000 | 08-Apr-2015 10:52 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 3h:30m | 4.92 | 3h:30m | 4.92 |
| 10000 | 08-Apr-2015 09:31 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 3h:28m | 4.88 | 3h:28m | 4.88 |
| 10000 | 09-Apr-2015 08:53 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 3h:13m | 4.51 | 3h:13m | 4.51 |
| 10000 | 09-Apr-2015 10:00 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 3h:11m | 4.49 | 3h:11m | 4.49 |
| 10000 | 09-Apr-2015 03:17 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 3h:08m | 4.41 | 3h:08m | 4.41 |
| 10000 | 06-Apr-2015 11:40 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 3h:01m | 4.23 | 3h:01m | 4.23 |
| 10000 | 09-Apr-2015 04:54 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 2h:49m | 3.96 | 2h:49m | 3.96 |
| 10000 | 09-Apr-2015 04:08 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 2h:33m | 3.59 | 2h:33m | 3.59 |
| 10000 | 07-Apr-2015 03:40 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 2h:33m | 3.58 | 2h:33m | 3.58 |
| 10000 | 08-Apr-2015 02:27 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 2h:21m | 3.31 | 2h:21m | 3.31 |
| 10000 | 07-Apr-2015 12:26 | 10000 - 10000 / 10000 | 0h:00m | 0.00 | 2h:11m | 3.07 | 2h:11m | 3.07 |

VEHICLE METRICS – NEW FIELDS

The Vehicle Metrics Report now includes data regarding how often the engine is idled per vehicle per day. This enables fleet managers to monitor vehicle use when fuel efficiency is adversely affected by leaving the truck running while not moving, and PTO is not engaged. In addition to monitoring total Working and Waste Idles, you can now study accumulated totals for each individual input.

| Working Idle Time | Waste Idle Time | Total Idle Time | Input 1 Name | Input 1 On | Input 2 Name | Input 2 On | Input 3 Name | Input 3 On | Input 4 Name | Input 4 On |
|-------------------|-----------------|-----------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|
| 0h:00m | 5h:55m | 5h:55m | PTO 1 | | PTO 2 | | PTO 3 | | PTO 4 | |
| 6h:46m | 2h:00m | 8h:46m | PTO | | PTO | 6h:46m | PTO 3 | | PTO 4 | |
| 1h:08m | 3h:31m | 4h:39m | PTO | | PTO | 2h:47m | PTO 3 | | PTO 4 | |
| 4h:56m | 2h:07m | 7h:03m | PTO | | PTO | 4h:56m | PTO 3 | | PTO 4 | |
| 0h:00m | 0h:00m | 0h:00m | PTO | | PTO | | PTO 3 | | PTO 4 | |
| 0h:05m | 1h:05m | 1h:10m | PTO | 0h:06m | PTO 2 | | PTO 3 | | PTO 4 | |
| 0h:05m | 0h:02m | 0h:08m | PTO | 0h:05m | PTO 2 | | PTO 3 | | PTO 4 | |
| 0h:00m | 6h:48m | 6h:48m | PTO | | PTO 2 | | PTO 3 | | PTO 4 | |
| 0h:00m | 0h:20m | 0h:20m | PTO 1 | | PTO 2 | | PTO 3 | | PTO 4 | |
| 0h:00m | 0h:32m | 0h:32m | PTO 1 | | PTO 2 | | PTO 3 | | PTO 4 | |

| Field | Description |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Working Idle Time | Total count of Idle Time when PTO is engaged |
| Working Idle Time per Day | Total idle time with PTO engaged per day |
| Waste Idle Time | Total idle time with no PTO engaged |
| Waste Idle Time per Day | Total idle time with no PTO engaged per day |
| Input 1-4 Name | Label assigned to Digital Input 1-4 (blank if undefined) *The report includes a column for each input. |
| Input 1-4 On | Total accumulated time each input was in the active state during the day or blank if undefined. *The report includes a column for each input. |
| % Utilization | % of Active Vehicle Days with respect to possible Active Vehicle Days . Note: The Total Possible Vehicle Days is the total number of days each vehicle was in the group during the reporting interval. |

VEHICLE METRICS – NEW ANALYTICS VIEW

The Vehicle Metrics Report now includes a fourth view – Analytics. This new view provides an analytics-ready output file that includes fields such as group hierarchy and identifies utilization of vehicles by displaying the number of stops, drive time and miles driven per day statistics. Simply paste the report output into the new Vehicle Metrics template to get a fast and highly useful analysis tool. Compare vehicle-to-vehicle or group-to-group metrics, or analyze key statistics that reflect individual utilization characteristics. The Vehicle Metrics template is a free download from the FleetOutlook Help portal.

Note: Vehicle Metrics Analytics is available to FleetOutlook FieldPro customers. Templates require Microsoft Excel 2013 or Office Pro Plus with the PowerPivot Add-in enabled.

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

The screenshot displays the 'Vehicle Metrics Report' interface, specifically the 'Analytics' view. The interface includes a top navigation bar with tabs for 'Group Summary', 'Vehicle Summary', 'Vehicle Detail', and 'Analytics'. Below the tabs, the title 'Vehicle Metrics export for Analytics' is shown. The 'Scope' section displays 'Group: East Coast' and a 'Scope...' button. The 'TimeZone Panel' section includes a 'Time Zone:' label with three radio button options: 'Group Time Zone', 'Local (Eastern)' (which is selected), and 'Enterprise (Pacific)'. There is also a checkbox for 'Enable Daylight Savings Time?'. The 'Date Range' section features a 'Report On:' label and a dropdown menu currently set to 'Last Month'. The 'Filters and Options' and 'Report Actions' sections are visible at the bottom, with the latter containing 'Generate' and 'Save' buttons. Annotations with arrows point to various elements: 'New Analytics View' points to the 'Analytics' tab; 'Generate analytic-ready data for your entire enterprise, specific groups or a single group' points to the 'Scope...' button; 'Time Zone option includes: Group Time Zone, Local Time Zone, Enterprise Time Zone' points to the radio button options; 'Customize the Reporting Interval' points to the 'Report On:' dropdown; and 'Report exports directly to CSV' points to the 'Generate' button.

Vehicle Metrics Report

Group Summary | Vehicle Summary | Vehicle Detail | **Analytics**

Vehicle Metrics export for Analytics

Scope

Group: East Coast | Scope...

TimeZone Panel

Time Zone: ☐ Group Time Zone ☒ Local (Eastern) ☐ Enterprise (Pacific)

Enable Daylight Savings Time?: ☒

Date Range

Report On: Last Month

Filters and Options

Report Actions

Generate | Save

Annotations:

- New Analytics View
- Generate analytic-ready data for your entire enterprise, specific groups or a single group
- Time Zone option includes:
 - Group Time Zone
 - Local Time Zone
 - Enterprise Time Zone
- Customize the Reporting Interval
- Report exports directly to CSV

Year
2015

Month
April

Vehicle Category
(
blank
)
Park and Recreation
Supervisor

Driver Category 1
(
blank
)
Deputy Sheriff
IT
Logistics
Operations
Outreach
Supervisor

Easy-to-use tools to quickly slice and filter data in an infinite number of ways

Group Level2

County Office
Sheriff's Office
(
blank
)

Group Level3

Administration
Department of Soci...
Environmental
Field Operations
Health Department

Group Level4

(
blank
)
Air Quality
Asset and Facility ...

| Row Labels | Odometer | Distance | Max of Engine Hours | Max of Engine Meter | Max of Engine Hours |
|--------------------------------|----------|----------|---------------------|---------------------|---------------------|
| County Office | 195,430 | 65976 | 8955:48 | | 12:17 |
| Administration | 116,232 | 2158 | 1897:39 | | 5:24 |
| Asset and Facility Management | 48,419 | 505 | 888:26 | | 3:19 |
| BSA3713 | 42,525 | 195 | 125:12 | | 16:15 |
| BSA4747 | 7,841 | 22 | 101:12 | | 0:52 |
| BSA4748 | 6,418 | 44 | 89:15 | | 1:48 |
| BSA5151 | 1,390 | 33 | 40:27 | | 1:39 |
| BSU4189 | 42,834 | 107 | 840:58 | | 3:25 |
| April | 42,834 | 107 | 840:58 | | 3:25 |
| 4/2/2015 | 42,735 | 8 | 840:58 | | 0:19 |
| 4/6/2015 | 42,758 | 23 | 840:58 | | 0:56 |
| 4/7/2015 | 42,788 | 30 | 840:58 | | 0:39 |
| 4/8/2015 | 42,834 | 47 | 840:58 | | 1:29 |
| BSU4196 | 48,419 | 95 | 888:26 | | 2:52 |
| BSU4441 | 37,752 | 10 | 80:38 | | 0:24 |
| Business and Financial Mgmt | 116,232 | 1550 | 1897:39 | | 21:27 |
| Geospatial Information Systems | 11,813 | 103 | 1210:26 | | 4:38 |
| Department of Social Services | 103,856 | 12339 | 8224:51 | | 14:28 |

Vehicle Metrics Analytics Template

MOBILEINSTALL

Quickly and easily install CalAmp LMU devices in vehicles through an error-free process using the new MobileInstall app on your mobile device. Scan the VIN and device ESN to automatically enter the information into FleetOutlook. The app creates the device-to-vehicle pairing. Additionally, test the device GPS reception and proper device wiring, ensuring high quality installation and eliminating follow-up on-site visits.



MobileInstall is available to all FleetOutlook customers as a free download from the Google Play Store or the iTunes Store. You can use the MobileInstall app with any Android device using version 4.0.3 or higher, or any Apple iPhone or iPad using iOS version 6 or higher.

The screenshots show the following steps in the MobileInstall app:

- Scan a barcode:** A barcode is scanned from a CalAmp device label. The label includes P/N: LMU26C4V0-WRX04, VIN: 1FM5K8D80DGC06331, and a red instruction: "Hold up to a barcode to scan".
- Barcode Camera:** A confirmation screen showing the scanned VIN: 1FM5K8D80DGC06331 and asking "Is it correct?" with "No" and "Yes" buttons.
- Enter vehicle details:** A form where vehicle information is entered:
 - VIN: 1FM5K8D80DGC06331
 - License: ABC1234
 - State: Va
 - Modified vehicle (checkbox)
 - Vehicle name: David's Explorer
 - Vehicle ID: FXP0001
 - Make: Ford
 - Model: Explorer
 - Year: 2013
- Test your install:** A screen showing test results:
 - Vehicle name: David's Explorer
 - GPS satellites: 3
 - Test Power Up: passed
 - Test Digital Inputs: skipped
 - Test Ignition On: passed
 - Test Ignition Off: passed
 - Breadcrumb history:**

| date | address | event type |
|----------------|------------------------------|-----------------|
| 01/29/15 01:06 | 21789 Atlantic Blvd Sterling | Power Up |
| 01/29/15 01:06 | 21789 Atlantic Blvd Sterling | Cellular Sig... |

MOBILEVIEW

For fleet management on the go. Using the MobileView app, you'll have 100% visibility into your mixed-use fleet whether you're at the office, on the road or anywhere in between. Get a fast, up-to-date view of vehicle locations and breadcrumb detail that is suitable for viewing on even the smallest handheld device.



MobileView is available to all FleetOutlook customers as a free download from the iTunes Store. You can use the MobileView app with any Apple iPhone or iPad using iOS version 6 or higher.

The image displays three screenshots of the MobileView app interface, demonstrating its functionality for fleet management.

Left Screenshot (Main View): Shows a list of vehicles on the left and a map of Mexico on the right. The vehicle list includes:

- 3143012695: Freezeland Rd Linden, Virginia 22642
- BT-101 - Henry Spiffert: Crosstown Expy Corpus Christi, Texas 78405
- BT-102 - Marcos Imelda: 2583 Southgate St Beeville, Texas 78102
- BT-103 - Jason Taylor: 165 Lakewood Ln Mathis, Texas 78368
- BT-105: 990 W Point Rd Corpus Christi, Texas 78416
- BT-107 - James Harrison: 6634 S Staples St Corpus Christi, Texas 78413
- BT-108: 6322 Queen Jane St Corpus Christi, Texas 78414
- Delivery BA - Roy McIvory
- Dumpster
- Joes car: 13655 Dulles Technology Dr Herndon, Virginia 20...
- PT-201 - Craig Dewalt: 569 Hwy 77 S Woodsboro, Texas 78393
- PT-202 - Barb Gossling: Unnamed Street Robstown, Texas 78380
- PT-203 - Keith Phillips: 4000 Surfside Blvd Corpus Christi, Texas 78402
- PT-204 - Linda Greenfield: 6601 Weber Rd Corpus Christi, Texas 78413

Middle Screenshot (Vehicle Detail View): Shows a detailed view of vehicle BT-102 - Marcos Imelda. The information displayed includes:

- Location: 2583 Southgate St Beeville, Texas 78102
- Event type: IGOFF
- Time of the last updated location: 3:30 PM
- Buttons: Navigate to driver, View Breacrumb

Right Screenshot (Vehicle Detail View): Shows a detailed view of vehicle VN-328 - Lucian Samosata. The information displayed includes:

- Location: 11014 Leopard St Corpus Christi, Texas 78410
- Event type: MOVING
- Speed and direction: 33 mph
- Time of the last updated location: 2:05 PM
- Buttons: Navigate to driver, View breadcrumb

MINOR ENHANCEMENTS AND FIXES

The following table highlights the minor enhancements and fixes included in the FleetOutlook 8.1 release.

| Reports |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enhanced the Fuel Purchase Report to include all vehicles for which fuel purchases have been recorded, even if they have not moved. This improvement helps identify potential fraudulent fuel purchases. |
| Customized reports now save with customized column settings. |
| Updated the Location Activity Report to resolve issue with searching by a specific address type. |
| Tracking > Map |
| Updated Tracking > Map to properly display Vehicle Tool Tip when vehicle is searched by Name. |
| FleetOutlook Admin |
| Resolved Vehicle Edit time-out issue. |

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 |