



WEB APPLICATION USER GUIDE

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INTRODUCTION

Welcome to On-Board Communications! This user guide explains how to use the capabilities of the On-Board web based application. Whether using FleetTraks™, AssetTraks™ or other On-Board products, the Internet based application is the customer's access point to their data. This guide explains how to view this data and how companies can use the data to better manage their fleet.

In the event you require additional assistance, please contact Customer Support via email at support@obccom.com or by our toll free number (877) 340-0300, ext. 290.

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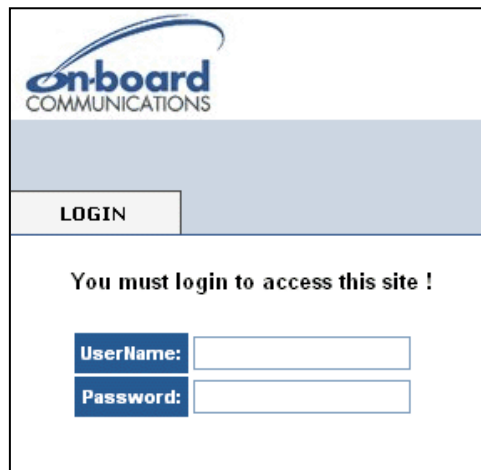
support@obccom.com

GETTING STARTED

The web application is a simple and easy to use tool that has been preconfigured from On-Board Communications to your specifications. After installing your mobile units, please log in and begin viewing your data.

LOGIN

To log in to the On-Board web page, go to <http://www.fleetraks.com>. Type in your username and password (provided by your program administrator) and press “enter” or click on the “LOGIN” tab.



TIP – Microsoft Internet Explorer Users

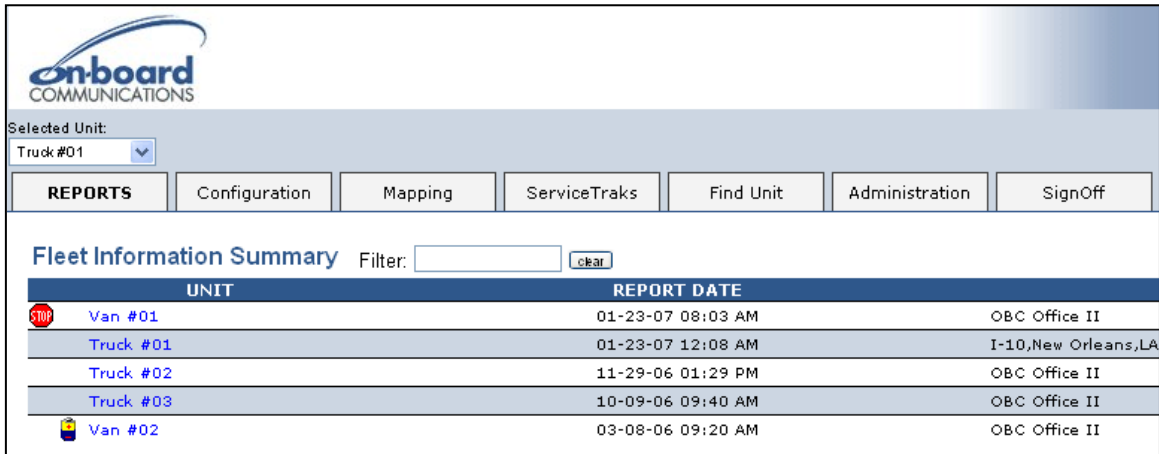
When using Microsoft Internet Explorer, do not use the “back” button. Doing so will result in a “Warning Page Has Expired” statement. You will then need to hit the “refresh” button and then the “retry” button to return to the application. Also, depending on the configuration settings of your specific Microsoft Internet Explorer, the last command may be repeated. This could, in some instances, cause a mobile unit to be paged multiple times. A faster and easier way to return to the “Fleet Information Summary” home page is to click the On-Board logo at the top of the screen or by using the “Back” or “Cancel” tabs on a specific page. Clicking the logo while on the home page will cause a refresh to occur.

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FLEET INFORMATION SUMMARY

After successfully logging in, you will be directed to a “home page” preconfigured by On-Board Communications. For the majority of users, this home page will be the Fleet Information Summary page. This page is available in two different reporting styles “Standard” and “DashBoard”.

Report Style – Standard



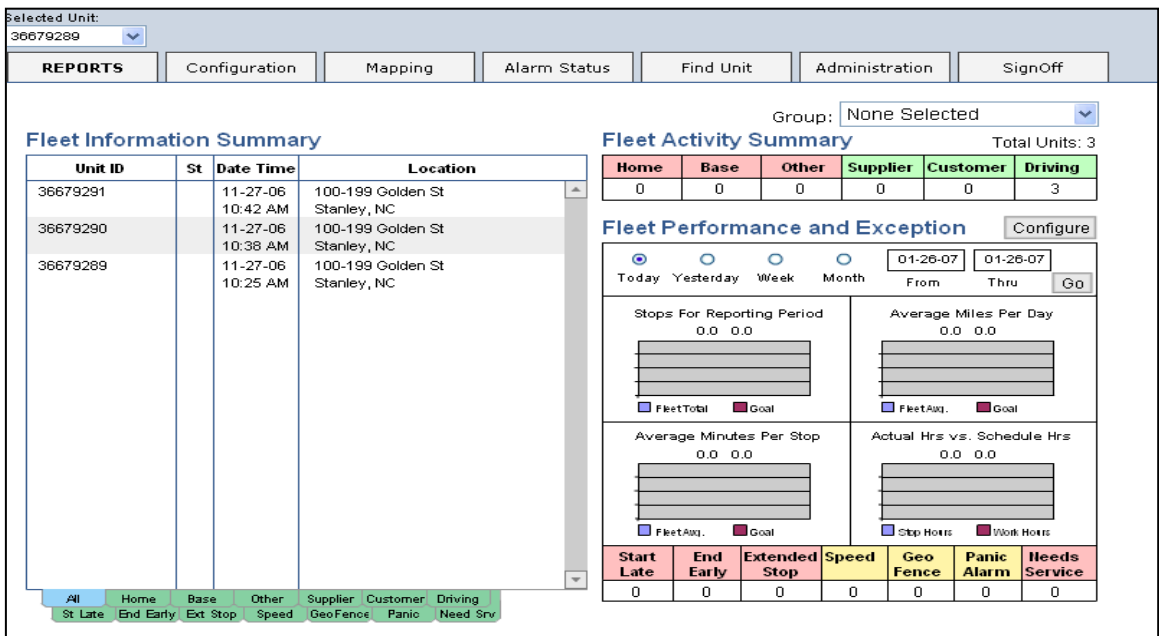
Selected Unit: Truck #01

Navigation: REPORTS | Configuration | Mapping | ServiceTraks | Find Unit | Administration | SignOff

Fleet Information Summary Filter:

UNIT	REPORT DATE	
Van #01	01-23-07 08:03 AM	OBC Office II
Truck #01	01-23-07 12:08 AM	I-10,New Orleans,LA
Truck #02	11-29-06 01:29 PM	OBC Office II
Truck #03	10-09-06 09:40 AM	OBC Office II
Van #02	03-08-06 09:20 AM	OBC Office II

Report Style – Dashboard



Selected Unit: 36679289

Navigation: REPORTS | Configuration | Mapping | Alarm Status | Find Unit | Administration | SignOff

Group: None Selected

Fleet Information Summary

Unit ID	St	Date Time	Location
36679291		11-27-06 10:42 AM	100-199 Golden St Stanley, NC
36679290		11-27-06 10:38 AM	100-199 Golden St Stanley, NC
36679289		11-27-06 10:25 AM	100-199 Golden St Stanley, NC

Fleet Activity Summary Total Units: 3

Home	Base	Other	Supplier	Customer	Driving
0	0	0	0	0	3

Fleet Performance and Exception

Today Yesterday Week Month 01-26-07 01-26-07 From Thru

Stops For Reporting Period: 0.0 0.0

Average Miles Per Day: 0.0 0.0

Average Minutes Per Stop: 0.0 0.0

Actual Hrs vs. Schedule Hrs: 0.0 0.0

Start Late	End Early	Extended Stop	Speed	Geo Fence	Panic Alarm	Needs Service
0	0	0	0	0	0	0

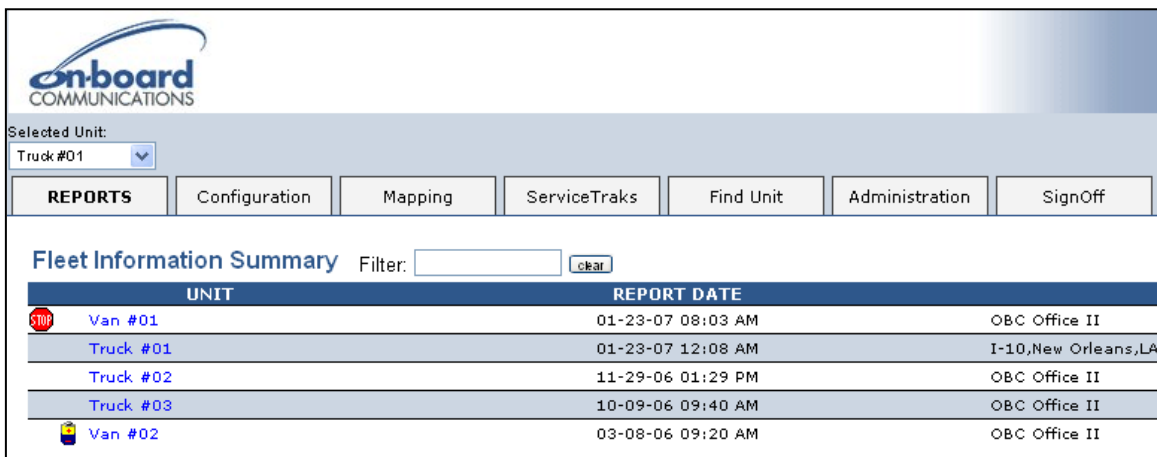
Legend: All, Home, Base, Other, Supplier, Customer, Driving, St Late, End Early, Ext Stop, Speed, Geo Fence, Panic, Need Srv



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REPORT STYLE - STANDARD

Fleet Information Summary


The Fleet Information Summary page in the “Standard” report style displays basic information on the vehicles within a specific fleet, their current location and their status. The page is divided into 4 columns starting with a status icon column on the far left side of the page, then the unit column, then the last report date column and finally the current location column. You can sort the vehicles using two different methods. Clicking the word “Unit” on the blue bar will cause the vehicles to be sorted in alphabetical order. Clicking the words “Report Date” on the blue bar will cause the vehicles to be sorted by most recent report times.




UNIT	REPORT DATE	
 Van #01	01-23-07 08:03 AM	OBC Office II
Truck #01	01-23-07 12:08 AM	I-10,New Orleans,LA
Truck #02	11-29-06 01:29 PM	OBC Office II
Truck #03	10-09-06 09:40 AM	OBC Office II
 Van #02	03-08-06 09:20 AM	OBC Office II

Status Icon Column

On the far left of the Fleet Information Summary page is the “status icon” column. This column aids the user in determining the unit’s current status.


The Start  icon indicates that the vehicle has either started moving at 11 Mph or that the ignition switch is now in the “on” position depending on the unit’s configuration. This icon will also cause a current GPS location and report date to be listed.


The Stop  icon indicates that the vehicle has either stopped moving for a period of five minutes or the ignition switch is now in the “off” position, again depending on the unit’s configuration. This icon will also cause a current GPS location and a report date to be listed.


If there is no icon shown in the far left column, the subsequent data columns reflect that the unit has responded with an updated position report that is not in

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conjunction with any type of exception report (i.e. a start, stop, geo-fence, etc.) Examples of this include a standard interval report, a daily report, a page response, etc.


The Sent Message () icon indicates that a message has been sent to the vehicle. The type of unit (OBC2000 or OBC9000) dictates how long the message icon will be displayed. For the OBC2000, this icon will remain present for up to three minute or until the unit responds with the information requested – whichever comes first. For the OBC9000 (Store and Forward capable unit), this icon will remain present for up to 72 hours or until the unit responds with the information requested – whichever comes first. If a “location request” is sent to the OBC9000, this icon will remain present for up to 30 days or until the unit responds – whichever comes first.

The Dash () icon indicates that the vehicle has returned an invalid GPS reading. This is usually caused by the GPS antenna being blocked from seeing the sky (i.e. the vehicle is parked under an awning or in parking garage).


The Geo-Fence () icon indicates that the vehicle has left its pre-set Geo Fence area as configured under the configuration tab. There are nine different geo-fence settings available from 300 feet up to 500 miles.



OBC2000 specific icons

The Sleeping Moon () icon indicates that the unit is currently in a low power sleep mode. This icon will appear if the unit senses a battery voltage reading below +12V for more than 30 seconds. While in the “sleep” mode, the unit will not transmit or receive any message. It will revert back to the “awake” mode once a constant +12V DC power has been applied for more than 30 seconds.

The Panic () icon indicates that the optional panic button on the vehicle’s unit has been activated or pressed. This feature is available only as an add-on purchase from On-Board Communications.

OBC9000 specific icons

The Backup Battery () icon indicates that the unit has sensed a complete loss of +12V DC power and is now utilizing its onboard backup battery. Depending on the unit’s configuration, this onboard battery could keep the unit alive for approximately 30 days. After which the unit will enter a shut-down mode and will not transmit or receive any message until +12V DC power has been restored.

The Ignition On () and the Ignition Off () icons indicates the state of the vehicle based on the ignition wire from the OBC9000. These icons will only be

displayed if the unit is configured and the ignition wire is hooked up from the mobile unit.

The Report Switch On (🟢) and the Report Switch Off (🔴) icons notify the user as to the status of the optional reporting switch located in the vehicle. The switch allows a driver to enable/disable the location reporting feature on the OBC9000S. These icons will only be displayed if the unit is configured properly and the optional reporting switch has been installed on the vehicle.

Unit Column

The “unit” column shows the name assigned to a specific vehicle for identification purposes. The unit’s name is user-defined in the “administration” screen. Clicking on the word “unit” at the top of the column will sort the column alphabetically.

Report Date Column

This column shows the date and time that the last GPS position report was sent from the unit. Clicking on the words “report date” at the top of the column will sort the unit by time received with the most recent report at the top of the column.

Current Location Column

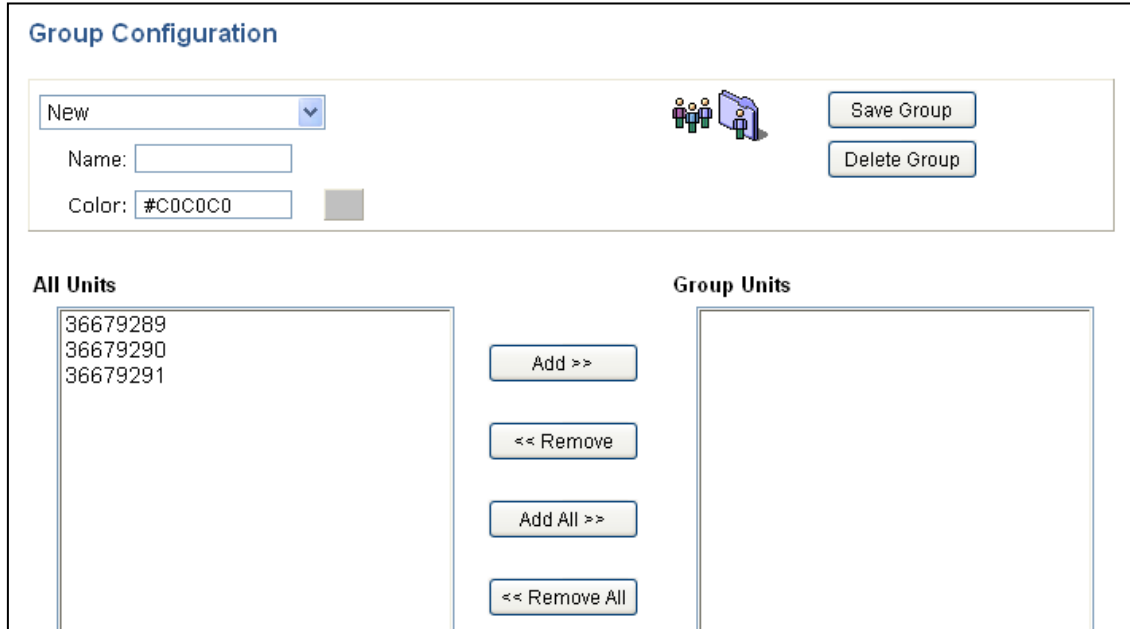
The GPS latitude/longitude report that is sent in from the unit is automatically translated to a physical address and displayed in this column. In instances where the unit is in a rural or undeveloped area and street names are not available, the location will only show a City, State and Zip Code. Also, if the user has set up any custom locations, the physical address will be replaced by the name used for the custom location (i.e. Dave’s Home or Corporate Office, etc.)

Filter Bar

The filter tool searches all text within the page displayed – including hidden “Custom Location” address text and refreshes the screen to show only the lines of text with the specific characters. The tool accepts both letters and numbers as valid entries. Using this tool will help minimize the amount of data being viewed on the page.

Group Bar

The group tool allows the user to create a custom group of vehicles thereby minimizing the amount of data being viewed on the page. To create a custom group, simply click on the word “group” next to the drop down bar and the application will be redirected to the group configuration page.



To create a custom group



- 1) Click on the “Name” box and type in the name of the custom group you wish to create
- 2) Click on the small gray box next to the Color cell and choose a background color that will represent this specific group.
TIP – lighter colors will be easier to read as the text will tend to disappear on darker backgrounds.
- 3) Select the unit or units you wish to add to this group from the All Units window.
TIP – the control and shift keys work the same way for this application as they do for other Windows applications.
- 4) Click the Add button. The unit(s) will now appear in the Group Units window.
- 5) Click the Save Group button
- 6) After saving the group you can create more groups or click the Cancel button to return to the previous page.

TIP – Units may appear in more than one group.

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Unit History Page

While on the **Fleet Information Summary** page, the detail of a specific unit's reporting history can be viewed by double-clicking on a unit within the *UNIT* list. This action will direct the user to the Unit History page. Here, information regarding the history of position and status reports from a single vehicle in a fleet can be viewed for a specified date range. Clicking the Map History tab will bring up a mapping page that will show this history plotted out.

REPORTS		Map History	Refresh	Home		
Unit History				Start Date:	End Date:	
				<input type="text" value="02-03-07"/>	<input type="text" value="02-03-07"/>	
REPORT DATE	MILES	ADDRESS		SPEED		
 02-03-07 11:25 AM	0	7502-7509 Mars Dr, Garland, TX, 75040		0		
02-03-07 11:25 AM	0	7502-7509 Mars Dr, Garland, TX, 75040		0		
02-03-07 11:20 AM	1	7502-7509 Mars Dr, Garland, TX, 75040		9 N		
02-03-07 11:15 AM	2.6	2400-2531 Crist Rd, Garland, TX, 75040		0		
 02-03-07 11:10 AM	0.9	2400-2443 Belt Line Rd, Garland, TX, 75044		29 E		

Additional Icons

There are several icons associated with the OBC9000 product that may appear on the Unit History page and not on the Fleet Information Summary page

The stored data () icon indicates that a particular report was stored on the unit and transmitted at a later time. When an OBC9000 is out of a coverage area it will automatically store any reports and transmit them once it returns to a coverage area.



The Backup Battery Level icons (above) mean that the unit has sensed a complete loss of main +12VDC power source and is now utilizing built-in backup battery for power. The level indicators will be present only on the Unit History page and are intended to give a visual indication of the estimated battery life remaining. There are 10 indicators that represent full battery strength to 1/10 battery power remaining.

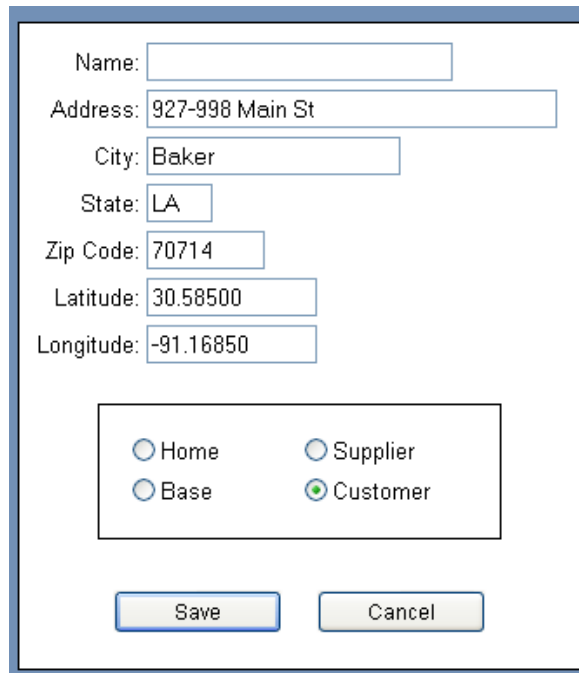
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Custom Locations

Clicking on any address shown on the Unit History page will bring up the Set Custom Location window. Use this window to label an address with a customized location name and an identifier (home, base, supplier, or customer).

Note – the four custom location identifier names are changeable. Refer to the “custom locations” tab under the “administrative” tab on the home page. After defining a custom location, anytime any unit is stopped within a 1/8 mile radius of this address, the location column will display the “custom location” label. You may edit and delete any custom location by clicking the “custom locations” tab under the “administrative” tab on the home page

TIP: You cannot label two different addresses with the same custom location name – i.e. the word “home” can only be used once. It is recommended that you increase the customized location name to provide more detail such as “John’s Home”, etc.



The screenshot shows a web form for setting a custom location. It includes the following fields and options:

- Name:
- Address:
- City:
- State:
- Zip Code:
- Latitude:
- Longitude:

Below the fields is a group of four radio buttons for location identifiers:

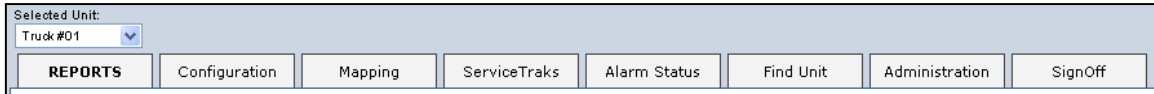
- Home
- Supplier
- Base
- Customer

At the bottom are two buttons: and .

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Menu Bar

At the top of the Fleet Information Summary page is the Menu bar. These menu tabs allow the user to look at specific information about vehicles within the fleet, such as how a vehicle is configured, ServiceTraks™ or Find Unit. At the top of this menu bar is the Selected Unit bar. This drop down menu bar helps the user quickly select a specific vehicle within the fleet in order to use these tabs.




SignOff Tab

This tab allows the user to log-off the system when finished with the On-Board web application. Clicking the SignOff tab will end the user's session and return you to the LOGIN page.

TIP – it is recommended you use the SignOff tab when you exit a session as opposed to just closing down your Internet browser. Failure to exit the program properly may cause the user to exceed the maximum number of allowable log-ins during a session.

Administration Tab

This tab contains specific options necessary to tailor the web site to a particular user's liking. Clicking on the Administration tab will bring up the Administration page.



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Unit Label Cell

When a unit is shipped from On-Board Communications, the unit label is the same as the unit's configuration ID number (located above the Unit Label cell). The user may rename the unit to something more appropriate to their business such as (Dave's Van, Backhoe 789, Truck 239, etc.). Once the user types the name in the "Unit Label" cell and clicks the "Save Changes" tab, the new name will then be displayed throughout the web application on all appropriate pages.

Web Page Configuration Cell

The web page configuration cell allows the user to change the appearance of the entire web application.

Selected Unit Location moves the Selected Unit cell to either the top or the bottom of the web page.

Selected Unit Auto-Expand allows the Selected Unit cell to automatically expand to show longer more complex unit names. When the "No" option is selected, a maximum of 13 characters are shown in the Selected Unit window.



Menu Location allows the user to view the Menu tab at either the top of the page or along the left hand side which will resemble more of a traditional web page design.

Report Style changes the look of the site to either the STANDARD or the DASHBOARD style. The STANDARD style allows the user to see specific details about each vehicle. This page is generally used by companies who monitor equipment or have basic fleet monitoring needs. The DASHBOARD style provides much more information generally directed toward companies who monitor fleet vehicles and their performance. More information on the DASHBOARD style capabilities can be found in the DASHBOARD section of this manual.

Auto-Refresh allows the user to have the application automatically refresh with the latest data as opposed to having to click the On-Board logo at the top of the screen to manually refresh.

Map Popup causes the application to open a new window or "popup" when the user clicks on "mapping" or "map history" and the feature is set to YES. This will allow the user to have multiple maps open thus viewing the locations of several drivers.

TIP – When this feature is set to YES, the user's web browser must also be set to allow popups or the map will not appear.

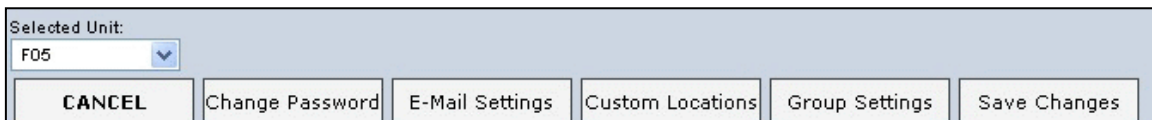
Basic Icon allows the user to select how all of their specific fleet of vehicles will be displayed on the mapping screen. Truck () or Car (.

Alarm Threshold Cell

If configured from On-Board Communications, you may have an optional alarm threshold cell directly below the web page configuration cell. The amount of time, in minutes, listed in this cell will determine how a vehicle is displayed on the optional Alarm Status tab. Refer to the ALARM STATUS TAB section of this guide for more information.

Administration Menu Bar

At the top of the Administration page is another menu bar.



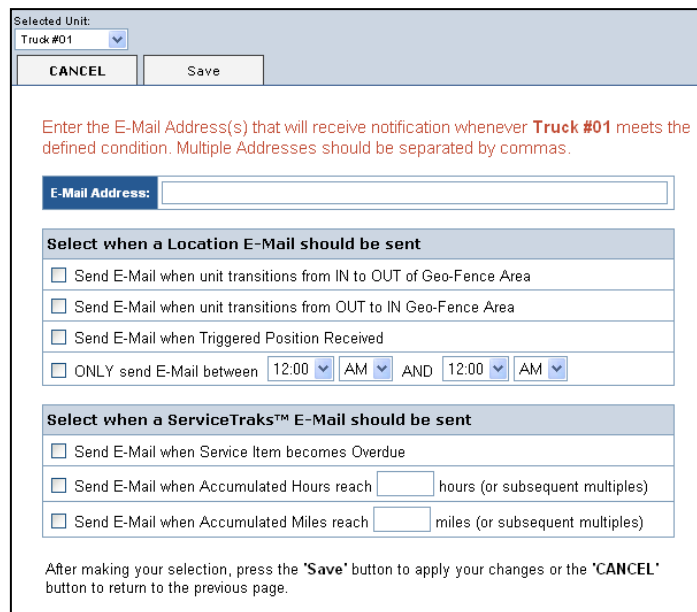
A screenshot of the Administration Menu Bar. At the top, it shows 'Selected Unit:' with a dropdown menu set to 'F05'. Below this are six buttons: 'CANCEL', 'Change Password', 'E-Mail Settings', 'Custom Locations', 'Group Settings', and 'Save Changes'.

Cancel – clicking this tab will return the user to the Fleet Information summary page without saving any changes to the Administration page.

Change Password – each account is provided with a default password from On-Board Communications. Some users may wish to enter a personalized password. Clicking this tab will allow the user to change their current password.

TIP – *A username has only one password associated with it. Changing this password will result in it being changed for everyone using the associated username.*

E-mail Settings – If configured from On-Board Communications, an e-mail settings tab may be visible. This tab is used to create e-mail notification(s) that a specific vehicle has met a defined condition such as leaving a Geo-Fence area, etc. Multiple e-mails and text messages can be generated by separating the addresses with a comma.



A screenshot of the E-Mail Settings configuration form. At the top, it shows 'Selected Unit:' with a dropdown menu set to 'Truck #01'. Below this are two buttons: 'CANCEL' and 'Save'. A red instruction reads: 'Enter the E-Mail Address(s) that will receive notification whenever Truck #01 meets the defined condition. Multiple Addresses should be separated by commas.' Below this is an 'E-Mail Address:' input field. The form is divided into two sections: 'Select when a Location E-Mail should be sent' and 'Select when a ServiceTraks™ E-Mail should be sent'. The first section has four checkboxes: 'Send E-Mail when unit transitions from IN to OUT of Geo-Fence Area', 'Send E-Mail when unit transitions from OUT to IN Geo-Fence Area', 'Send E-Mail when Triggered Position Received', and 'ONLY send E-Mail between' (with time and AM/PM dropdowns). The second section has three checkboxes: 'Send E-Mail when Service Item becomes Overdue', 'Send E-Mail when Accumulated Hours reach' (with a numeric input), and 'Send E-Mail when Accumulated Miles reach' (with a numeric input). At the bottom, a note says: 'After making your selection, press the 'Save' button to apply your changes or the 'CANCEL' button to return to the previous page.'

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Custom Locations - The custom locations tab is used to edit or delete any custom locations that have been assigned. The first 15 locations in alphabetical order will appear. If there are more than 15 custom locations, you may put a “*” in the search bar at the top right and hit enter. The “*” is a wild card and will cause the page to display all custom locations. You may now edit or delete any location by clicking the box next to the name and hitting either the Edit or the Delete tab.

Selected Unit:
Truck #01

CANCEL Edit Delete

Custom Locations Search:

<input type="checkbox"/>	CUSTOM NAME	SHOW AS	ADDRESS	CITY	STATE	ZIP	LAT	LONG
<input type="checkbox"/>	AAA Truck Rental	Supplier	4510-4699 Golf Vista Cir	Decatur	GA	30035	33.71097	-84.20965
<input type="checkbox"/>	Albertson's	Customer	308-362 S Federal Dr	Allen	TX	75013	33.10065	-96.67679
<input type="checkbox"/>	Andrew	Customer		Franklin	TN	37069	35.96178	-86.86473
<input type="checkbox"/>	APFT Facility	Customer	504-516 Hilltop Ln	Wylie	TX	75098	33.00382	-96.53458
<input type="checkbox"/>	Barbaras	Customer	1214-1256 Old Hillsboro Rd	Franklin	TN	37069	36.00597	-86.88924
<input type="checkbox"/>	Bob's House	Home	9000-9098 Church Rd	Dallas	TX	75231	32.88613	-96.73818
<input type="checkbox"/>	Bobcat 1	Base	2906-2999 Losee Rd	North Las Vegas	NV	89030	36.21272	-115.13061
<input type="checkbox"/>	Bobcat 3	Customer		McKinney	TX	75071	33.23369	-96.63111
<input type="checkbox"/>	Brenda	Customer	Fieldstone Pky	Franklin	TN	37069	35.96417	-86.88348
<input type="checkbox"/>	Carnton Plantation	Customer	300-399 Evan Ct	Franklin	TN	37064	35.90339	-86.85952
<input type="checkbox"/>	Chads House	Home	803-808 Hillview Heights	Nashville	TN	37204	36.12702	-86.77845
<input type="checkbox"/>	Chads School	Supplier	2-498 Holt Rd	Lebanon	TN	37087	36.26898	-86.34149
<input type="checkbox"/>	Children's Medical Center	Customer	1934-1963 Motor St	Dallas	TX	75235	32.80888	-96.83673
<input type="checkbox"/>	Chuck's House	Home	5001-5025 Bellerive Ct	Garland	TX	75044	32.96265	-96.63250
<input type="checkbox"/>	Costco	Customer	1701-1718 Mallory Ln	Brentwood	TN	37027	35.96394	-86.81596

15 of 48 Locations Returned

Group Settings – clicking this tab will take the user to the group configuration page that was described earlier in this guide.

Save Changes – this tab is used to save any changes done to the ADMINISTRATION page. After clicking this tab- the user will return to the Fleet Information Summary page.

Find Unit Tab

This tab allows the user to “ping” or send a request to the unit to obtain its current location. Depending on whether the unit is an OBC2000 or an OBC9000 will determine the look of the page. The example below is an OBC2000.

Selected Unit:
Truck #01

CANCEL Find

To find the unit, please select a request from the list below and then press the 'Find' button. To cancel the Operation and return to the previous page, press the "CANCEL" button

Please Select a 'Find' Request

Get Current Location

Get Current Location with Speed and Direction

Last Location: 25341-25398 State Route 1,Plaquemine,LA,70764

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Alarm Status Tab

If configured from On-Board Communications, you may have an optional Alarm Status Tab visible. Clicking this tab allows the user to view all the units in their fleet in one of three categories (Alarm, Watch, or Standby). A unit listed under the “Alarm” section has not reported within the defined time frame as set under the Administration tab. A unit listed under the “Watch” section has reported within the defined time frame. A unit listed in the “Standby” section is designated as not in use by the user and therefore is neither past the alarm status nor within the alarm status threshold. Examples of units listed under the “Standby” section could be spare or non installed units or vehicles/equipment that is out of service. The user may move units around in the different sections by clicking the appropriate box next to the unit.

Alarm Status
 Automatic Alarms for real-time tracking
 Alarm: 3 Watch: 4 Standby: 11
 This page was reloaded on: Mon Aug 21 14:01:32 CDT 2006

Alarm: Over 35 mins since report received (ARMED units only.) ACK to silence alarm and move unit to watch list. DISARM to move to standby list.

ACK	DISARM	Age	Unit	Last Message
<input type="checkbox"/>	<input type="checkbox"/>	9 days, 19:48 hrs	520R	8/11/2006 6:13:11 PM
<input type="checkbox"/>	<input type="checkbox"/>	12:48 hrs	257C	8/21/2006 1:13:23 AM
<input type="checkbox"/>	<input type="checkbox"/>	12:46 hrs	408A	8/21/2006 1:15:51 AM

Update

Watch: Report received within 35 mins, or has been 'Acked' from Alarm list. DISARM to move to Standby list.

DISARM	Age	Unit	Last Message
<input type="checkbox"/>	00:27 hrs	520T	8/21/2006 1:34:34 PM
<input type="checkbox"/>	00:23 hrs	520J	8/21/2006 1:38:37 PM
<input type="checkbox"/>	00:15 hrs	520R	8/21/2006 1:46:51 PM

Disarm

Standby: Units currently not in use. ARM to move to Watch / Alarm list.

ARM	Age	Unit	Last Message
<input type="checkbox"/>	12:39 hrs	257B17 G Wick 40849	8/21/2006 1:22:54 AM

TIP – Please refer to the Administration Tab section for information on setting the alarm threshold.

ServiceTraks™ Tab

ServiceTraks™ is an exclusive On-Board Communications application that allows the user to track and schedule service intervals on vehicles or equipment based on miles driven or engine hours.

ServiceTraks™ Summary Page

Clicking on the ServiceTraks™ tab will bring up the ServiceTraks™ Summary Page. This page shows all the units in the fleet, their current readings in hours or miles, and the next service they are scheduled for including the time remaining before the next service. There is also an e-mail tab on this page that allows the user to set up e-mail notifications for service due.

ServiceTraks™ Summary Filter: Group:

Vehicle	Current Readings			Next Service		
	Date	Hours	Miles	Description	Interval	Remaining
Truck #01	Wed 12-20-06	0.0	2,592.0	oil change	2,800.0 m	208.0 m
Truck #03	Thu 10-05-06	0.0	0.0	tire rotation	2,000.0 m	2,000.0 m

ServiceTraks™ Unit Detail Report Page

Clicking on any unit on the ServiceTraks™ Summary page will redirect the user to the ServiceTraks™ Unit Detail Report page for that specific vehicle. Here specific information about the vehicle is reported including current mileage or engine hours and any scheduled services, etc.

ServiceTraks™ Unit Detail Report

Equipment Name	Hours	Miles
#111	0.0	25,527.0

Start Date: End Date:

Service	Scheduled Interval	Remaining	Interval at Service	Service Date	Select
Oil Change	27,436.0 m	1,909.0 m			<input type="checkbox"/>
Oil Change	22,471.0 m	-	24,436.0 m	01-19-07	



Edit Selected Service



Perform the Service



Delete Service



Schedule a New Service




Update Vehicle Data

Report Date	Hour Meter	Change	Mile Meter	Change
Tue 01-30-07	-	-	25,527.0	52.0
Mon 01-29-07	-	-	25,475.0	70.0
Sun 01-28-07	-	-	25,405.0	344.0
Sat 01-27-07	-	-	25,061.0	150.0
Fri 01-26-07	-	-	24,911.0	140.0
Thu 01-25-07	-	-	24,771.0	150.0

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Update Vehicle Data

The  button allows the user to fill in the “offset” information (the hour meter/odometer reading on the vehicle before enabling ServiceTraks™). This is done in order to sync the mobile unit with the actual hour meter/odometer reading on the vehicle.

Modify Hours and Miles Offset

Description:	Truck #01
Offset Hours:	0.0
Offset Miles:	0.0

Schedule a New Service


The  button allows the user to schedule a new service for the vehicle and have the interval automatically repeated after it is performed.

Selected Unit: 257A11 R Mont ▼

Schedule A New Service

Unit:	257A11 R Monhollon 61207
Service Name:	<input type="text"/>
Scheduled Hours:	<input type="text"/> (Currently @ 50 Hours)
Service Interval:	<input type="text"/>
Service Type:	<input checked="" type="radio"/> Hours <input type="radio"/> Miles

Edit Selected Service

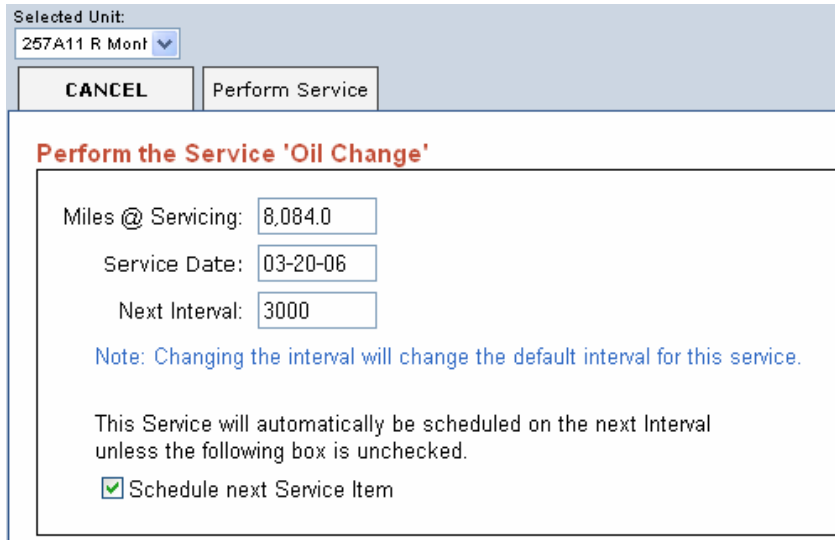
The  button allows the user to edit or change the parameters on a service item that has already been created.

Edit the Service

Service Name:	oil change
Scheduled Miles:	2,800.0
Service Interval:	3000
Service Type:	<input type="radio"/> Hours <input checked="" type="radio"/> Miles

Perform the Service

When a service has been performed, the ✂ button allows the user to mark it as such and choose whether or not to reschedule the same kind of service for the next interval.



The screenshot shows a software interface for performing a service. At the top, there is a dropdown menu labeled 'Selected Unit' with the value '257A11 R Mont'. Below this are two buttons: 'CANCEL' and 'Perform Service'. The main content area is titled 'Perform the Service 'Oil Change'' and contains the following fields and text:

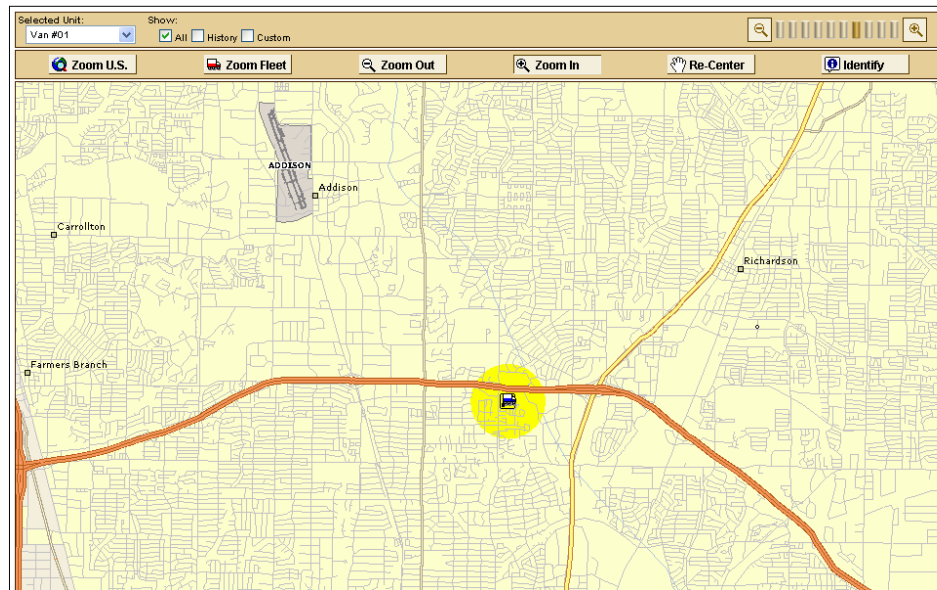
- Miles @ Servicing:
- Service Date:
- Next Interval:
- Note: Changing the interval will change the default interval for this service.
- This Service will automatically be scheduled on the next Interval unless the following box is unchecked.
- Schedule next Service Item

Delete the Service

The 🗑 button is used to delete a service that has already been created.

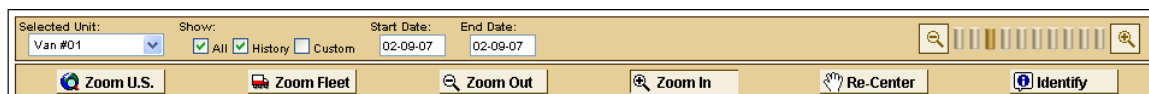
Mapping

Mapping allows a user to view an individual unit or an entire fleet on a map. The mapping tab brings up the mapping screen and depending on the configuration on the administration tab, will either redraw the current window into the mapping window or will pop-up a new mapping window. Vehicle icons will be displayed and the map will size to show the entire fleet. A yellow circle around a vehicle indicates that a location report on the vehicle was received within the last five minutes. A grey or no circle at all means the location report is over five minutes old.



Selection Bar

At the top of the mapping screen is a selection bar that has a “Selected Unit” drop down menu, a “Show” area, and a “Zoom” bar.



Selected Unit - The mapping screen has its own “selected unit” drop down menu that works independently from the main “selected unit” drop down menu. Use this to select a vehicle when looking at the history.




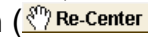

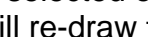
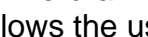
Show – There are three boxes under the “Show” area. The “All” box, when checked, will show all the units in the fleet or a selected group. The “History” box, when checked, will show the history of the unit selected in the “Selected Unit” drop down box. The amount of data displayed is equal to the days set in the “Start Date” and “End Date” boxes to the right of the three “Show” boxes. The

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“Custom” box, when checked, will show icons for all custom locations that have been set up by the user.

TIP – Custom locations will only be displayed if the zoom level is at 50 miles or less.

Zoom Options


There are several zoom options built into the mapping screen. The zoom bar at the far right, () allows the user to zoom in or out at preset levels. The Zoom In () / Zoom Out () buttons allow the user to draw a box on the map and zoom in or out depending on the button that is selected. In the “Zoom In” mode; the smaller the box, the closer the perspective. In the “Zoom Out” mode; the smaller the box, the farther the perspective. The Re-Center button () allows the user to re-center the map at a particular point. The Zoom Fleet button () will re-draw the map to show the entire fleet or group selected on the Fleet summary Page. The Zoom U.S. button () will re-draw the map to show the entire U.S. The Identify button () allows the user to get more information about a specific point on the map such as a street name when one is not listed at a particular zoom level.

TIP – The mapping function works the same whether selected from the “fleet Information Summary” screen or the “Unit History” screen. The default setting for the map however, may be slightly different depending on which screen it was initialized from.

Configuration Page

The configuration page allows the user to see and (depending on system configurations) modify the unit’s individual configuration. There are two styles of configuration pages based on whether the unit is an OBC2000 or an OBC9000. Also, depending on system configurations, the menu tabs at the top may or may not be present to allow the user to modify the configuration.

OBC2000 Configuration Screen

Selected Unit:			
Truck#01			
HOME	Refresh	Report Mode	Geo-Fence
Dashboard	Auto Start-Stop	Misc Items	Update Status
Unit Configuration			
Last Message Rec'd	Type	Market	Last Status Rec'd
02-09-07 04:12 PM	basic	Plaquemines-New Orleans-St.James-Baton Rouge-Iberv-A	02-08-07 09:41 AM
Firmware Version	Battery Voltage	Low Voltage Shutdown Status	
Rev: 68	Level: 	Awake	
Report Mode	Geo-Fence Mode	Current Center Point	
Wait	Disabled	Disabled	
DashBoard Auto-Send	Speed Mode		
Disabled	Disabled		
Automatic Start-Stop			
Disabled			
Low Voltage Shutdown Mode	Ignition Wire GPS Powerdown	Ignition Wire Start/Stop Mode	
Enabled	Disabled	Disabled	
External Button Mode	Triple Relay Support		
Disabled	Disabled		
TimeTraks	Hours	Status	Extended
Disabled	0	Found	Found

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OBC9000 Configuration Screen

Selected Unit: Van #01

Unit Configuration		
Last Message Rec'd	Type	Last Status Rec'd
02-09-07 04:07 PM	fence	11-22-06 01:29 PM
Firmware Version		
Rev: 2.128		
Relay Status		
Report Mode		
5 Minute		
Geo-Fence Mode	Current Center Point	
5 miles	5001-5025 Bellerive Ct, Garland, TX, 75044	
Dashboard/ServiceTraks		
Frequency: Daily	Include: Hour Reading	Stop Summary
	Idle Time Reading	Mileage Reading
		Overspeed Reading (75 MPH)
Operating Modes		
Auto Start-Stop: Enabled		
Battery Message: Enabled		
Motion Sensor: Enabled		
Ignition Message: Enabled		
Reporting Switch: Enabled [m]		

Regardless of the product model, the configuration screen is divided into three sections. The top third of the page is dedicated to current information about the unit (i.e. last report and type, firmware version)

The middle third of the page is dedicated to status options, i.e. starter interrupt relay, report interval mode (shows how often an interval report will be generated – standard for most units is 30 minutes), the Geo-Fence option, and the Dashboard/ServiceTraks™ (this is information such as stop summary, overspeed information, daily mileage, etc. that the unit may send in at regular intervals).

The bottom third of the screen is dedicated to extended status options such as Operating Modes and optional features such as reporting or external button switch.

Reports

Clicking on the reports tab from the Fleet Information Summary page will display all reports available depending on the individual configuration of the user.

The following screen shot shows a user that has access to all available reports.

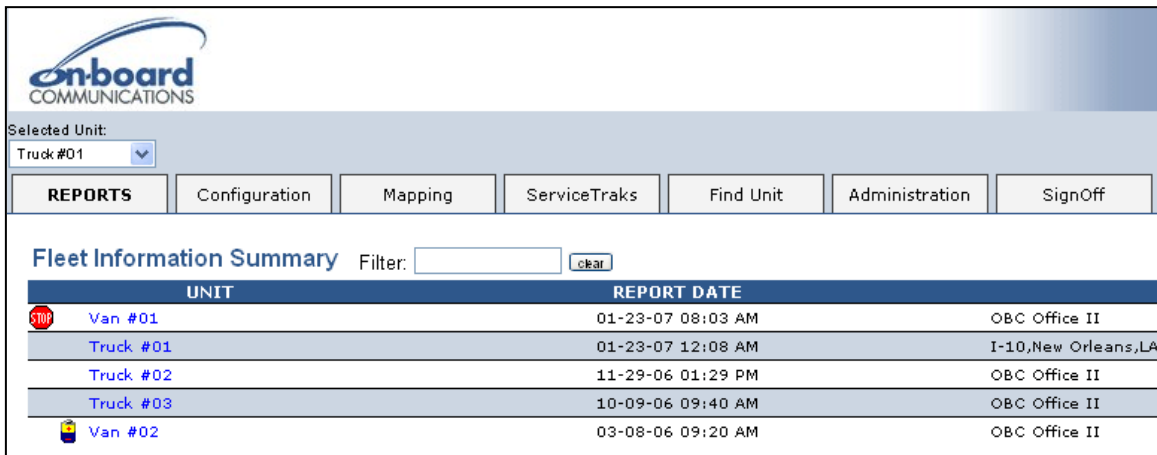
GET REPORT	Home
<p>Please select a report from the list below and then press the 'GET REPORT' button to see the report.</p>	
Fleet Reports	
<input checked="" type="radio"/>	Fleet Information Summary
<input type="radio"/>	DashBoard Fleet Summary
<input type="radio"/>	ServiceTraks Summary
<input type="radio"/>	Idle Time Fleet Summary
<input type="radio"/>	Utilization Fleet Summary
Unit Reports	
<input type="radio"/>	Unit History
<input type="radio"/>	DashBoard Unit History
<input type="radio"/>	ServiceTraks Unit History
<input type="radio"/>	Idle Time Unit History
<input type="radio"/>	Utilization Unit History
Miscellaneous Reports	
<input type="radio"/>	Custom Location Activity Report
<input type="radio"/>	MCS Report
<input type="radio"/>	Units Currently Outside of the Fence
<input type="radio"/>	Summary of In-Out Trips for Today
<input type="radio"/>	Units Not Leaving Fence In <input type="text" value="5"/> days

There are three sections (Fleet Reports, Unit Reports, and Miscellaneous Reports) listed in this report screen.

Fleet Reports

Fleet reports are reports that contain information about the entire fleet for a given day.

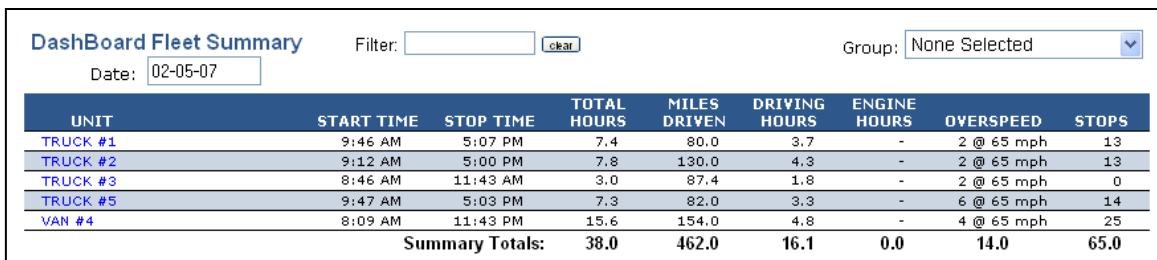
Fleet Information Summary Report – This report is also the home page for most users. It displays basic information on the vehicles within a specific fleet, their current location and their status.



The screenshot shows the 'Fleet Information Summary' report interface. At the top left is the 'on-board COMMUNICATIONS' logo. Below it, a 'Selected Unit:' dropdown menu is set to 'Truck #01'. A navigation bar contains buttons for 'REPORTS', 'Configuration', 'Mapping', 'ServiceTraks', 'Find Unit', 'Administration', and 'SignOff'. The main content area is titled 'Fleet Information Summary' with a 'Filter:' input field and a 'clear' button. Below this is a table with columns 'UNIT' and 'REPORT DATE'. The table lists several units with their respective report dates and locations.

UNIT	REPORT DATE	LOCATION
Van #01	01-23-07 08:03 AM	OBC Office II
Truck #01	01-23-07 12:08 AM	I-10,New Orleans,LA
Truck #02	11-29-06 01:29 PM	OBC Office II
Truck #03	10-09-06 09:40 AM	OBC Office II
Van #02	03-08-06 09:20 AM	OBC Office II

Dashboard Fleet Summary Report – This report shows the dashboard information for the entire fleet for a particular day. NOTE – the dashboard information is compiled throughout the day and is updated over night so complete information on today will not be available until tomorrow morning.



The screenshot shows the 'DashBoard Fleet Summary' report interface. It includes a 'Date:' field set to '02-05-07', a 'Filter:' input field with a 'clear' button, and a 'Group:' dropdown menu set to 'None Selected'. Below this is a table with columns: 'UNIT', 'START TIME', 'STOP TIME', 'TOTAL HOURS', 'MILES DRIVEN', 'DRIVING HOURS', 'ENGINE HOURS', 'OVERSPEED', and 'STOPS'. The table lists data for TRUCK #1, TRUCK #2, TRUCK #3, TRUCK #5, and VAN #4, followed by a 'Summary Totals' row.

UNIT	START TIME	STOP TIME	TOTAL HOURS	MILES DRIVEN	DRIVING HOURS	ENGINE HOURS	OVERSPEED	STOPS
TRUCK #1	9:46 AM	5:07 PM	7.4	80.0	3.7	-	2 @ 65 mph	13
TRUCK #2	9:12 AM	5:00 PM	7.8	130.0	4.3	-	2 @ 65 mph	13
TRUCK #3	8:46 AM	11:43 AM	3.0	87.4	1.8	-	2 @ 65 mph	0
TRUCK #5	9:47 AM	5:03 PM	7.3	82.0	3.3	-	6 @ 65 mph	14
VAN #4	8:09 AM	11:43 PM	15.6	154.0	4.8	-	4 @ 65 mph	25
Summary Totals:			38.0	462.0	16.1	0.0	14.0	65.0

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ServiceTraks™ Summary Report – This is the same report as viewed from the ServiceTraks™ tab.

(For more detail information about this report, please review the ServiceTraks™ description earlier in this guide.)

ServiceTraks™ Summary		Filter: <input type="text"/> <input type="button" value="clear"/>	Group: <input type="text" value="None Selected"/>			
Vehicle	Current Readings			Next Service		
	Date	Hours	Miles	Description	Interval	Remaining
Truck #01	Wed 12-20-06	0.0	2,592.0	oil change	2,800.0 m	208.0 m
Truck #03	Thu 10-05-06	0.0	0.0	tire rotation	2,000.0 m	2,000.0 m

Idle Time Fleet Summary Report – This report is only available with the OBC9000. The unit, when configured properly, will send in a daily idle time calculation to show the actual idle time of all the vehicles in the fleet for a specific time period.

Idle Time Fleet Summary		Filter: <input type="text"/> <input type="button" value="clear"/>	Group: <input type="text" value="None Selected"/>		
		Start Date: <input type="text" value="02-05-07"/>	End Date: <input type="text" value="02-05-07"/>		
UNIT	TOTAL TIME	STOPPED TIME	DRIVING TIME	IDLE TIME	
Truck #01	0.0 hrs	0.0 hrs	0.0 hrs	0.0 mins	
Truck #03	0.0 hrs	0.0 hrs	0.0 hrs	0.0 mins	
Van #01	5.8 hrs	5.1 hrs	0.8 hrs	0.0 mins	
Van #02	0.0 hrs	0.0 hrs	0.0 hrs	0.0 mins	
Summary Totals:		5.8 hrs	5.1 hrs	0.8 hrs	0.0 mins

Utilization Fleet Summary Report – This report is designed to help the user analyze equipment based on usage over a specific time period and, in turn, better utilize their equipment. Mainly used for Lift Trucks and other pieces of equipment.



Utilization Fleet Summary		Filter: <input type="text"/> <input type="button" value="clear"/>	Group: <input type="text" value="None Selected"/>		
UNIT	RUNNING AVERAGE UTILIZATION	GROUP	TERM IN MONTHS	MONTHS REMAINING IN TERM	PERCENT OF TERM USED
Loading Dock 1	45.8%	Loading Dock	60	14	77.0%
Loading Dock 2	8.8%	Loading Dock	60	4	93.7%
Warehouse 2	9.1%	Warehouse	48	0	100.3%
Loading Dock 3	48.9%	Loading Dock	60	53	12.0%
Warehouse 1	47.6%	Warehouse	36	11	70.0%
Warehouse 3	40.0%	Warehouse	60	46	23.7%

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Unit Reports

Identical to the Fleet Reports available above except these reports deal with a specific unit over a specific time frame.

Unit History Report – This report displays information regarding the history of position and status reports from a single vehicle in a fleet for a specified date range.

REPORTS	Map History	Refresh	Home		
				Start Date:	End Date:
				<input type="text" value="02-03-07"/>	<input type="text" value="02-03-07"/>
Unit History					
REPORT DATE	MILES	ADDRESS			SPEED
 02-03-07 11:25 AM	0	7502-7509 Mars Dr, Garland, TX, 75040			0
02-03-07 11:25 AM	0	7502-7509 Mars Dr, Garland, TX, 75040			0
02-03-07 11:20 AM	1	7502-7509 Mars Dr, Garland, TX, 75040			9 N
02-03-07 11:15 AM	2.6	2400-2531 Crist Rd, Garland, TX, 75040			0
 02-03-07 11:10 AM	0.9	2400-2443 Belt Line Rd, Garland, TX, 75044			29 E

Dashboard Unit History Report - This report shows the dashboard information for the specific vehicle over a specific date range. NOTE – the dashboard information is compiled throughout the day and is updated over night so complete information on today will not be available until tomorrow morning.

on-board COMMUNICATIONS		FleetTraks™ Innovation in Location Technology						
Selected Unit:								
<input type="text" value="B31"/>								
REPORTS	Refresh	Home						
		Start Date:	End Date:					
		<input type="text" value="03-02-06"/>	<input type="text" value="03-14-06"/>					
DashBoard Unit History								
DATE	START TIME	STOP TIME	TOTAL HOURS	MILES DRIVEN	DRIVING HOURS	ENGINE HOURS	OVERSPEED	STOPS
2-Mar	7:16 PM	9:13 PM	26.0	316.0	8.3	8.0	0 @ 75 mph	15
3-Mar	11:09 PM	10:29 PM	23.3	144.0	4.7	5.0	0 @ 75 mph	15
4-Mar	11:37 PM	8:40 PM	21.0	96.0	3.1	3.0	0 @ 75 mph	9
5-Mar	12:24 PM	7:37 PM	7.2	58.0	2.6	3.0	0 @ 75 mph	9
6-Mar	11:38 AM	10:33 PM	10.9	246.0	5.6	6.0	6 @ 75 mph	15
7-Mar	12:28 PM	10:23 PM	9.9	104.0	-	4.0	0 @ 75 mph	14
8-Mar	7:49 AM	9:28 PM	13.6	52.0	1.7	2.0	0 @ 75 mph	4
9-Mar			0.0	0.0	-	0.0	0 @ 75 mph	0
10-Mar	11:13 AM	11:49 AM	0.6	4.0	0.6	0.0	0 @ 75 mph	3
11-Mar	7:40 AM	2:00 PM	6.3	112.0	3.3	4.0	0 @ 75 mph	7
12-Mar	7:44 AM	3:57 PM	8.2	136.0	4.0	4.0	2 @ 75 mph	10
13-Mar	6:45 AM	4:05 PM	9.3	160.0	4.9	5.0	0 @ 75 mph	13
14-Mar	7:20 AM	4:16 PM	8.9	144.0	4.4	4.0	0 @ 75 mph	8
Summary Totals:			145.4	1,572.0	43.2	48.0	8.0	122.0

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ServiceTraks™ Unit History Report - This report displays specific ServiceTraks™ information about a vehicle including current mileage or engine hours, any scheduled services, etc.






ServiceTraks™ Unit Detail Report

Start Date: 12-31-06 End Date: 01-31-07

Equipment Name	Hours	Miles
#111	0.0	25,527.0

Service	Scheduled Interval	Remaining	Interval at Service	Service Date	Select
Oil Change	27,436.0 m	1,909.0 m			<input type="checkbox"/>
Oil Change	22,471.0 m	-	24,436.0 m	01-19-07	

Report Date	Hour Meter	Change	Mile Meter	Change
Tue 01-30-07	-	-	25,527.0	52.0
Mon 01-29-07	-	-	25,475.0	70.0
Sun 01-28-07	-	-	25,405.0	344.0
Sat 01-27-07	-	-	25,061.0	150.0
Fri 01-26-07	-	-	24,911.0	140.0
Thu 01-25-07	-	-	24,771.0	150.0

 Edit Selected Service
 Perform the Service
 Delete Service
 Schedule a New Service
 Update Vehicle Data

Idle Time Unit History Report - This report is only available with the OBC9000. The unit, when configured properly, will send in a daily idle time calculation to show the actual idle time over a specific time period.

Idle Time Unit History

Start Date: 02-05-07 End Date: 02-12-07

DATE	START TIME	STOP TIME	TOTAL TIME	STOPPED TIME	DRIVING TIME	IDLE TIME
5-Feb Mon	10:12 AM	5:38 PM	7.4 hrs	4.3 hrs	3.0 hrs	6.7
6-Feb Tue	9:32 AM	4:19 PM	6.8 hrs	3.2 hrs	3.3 hrs	18.2
7-Feb Wed	9:39 AM	4:25 PM	6.8 hrs	3.3 hrs	3.4 hrs	6.1
8-Feb Thu	9:29 AM	5:40 PM	8.2 hrs	5.0 hrs	3.0 hrs	12.2
9-Feb Fri	10:01 AM	4:45 PM	6.7 hrs	4.0 hrs	2.3 hrs	23.4
10-Feb Sat			-	-	-	-
11-Feb Sun			-	-	-	-
12-Feb Mon	10:00 AM	3:12 PM	5.2 hrs	2.8 hrs	2.3 hrs	5.1
Summary Totals:			41.1 hrs	23.6 hrs	17.3 hrs	66.7 mins

Utilization Unit History Report – This report allows the user to configure specific parameters that will be calculated using the Utilization Fleet Report. Mainly used for Lift Trucks and other pieces of equipment.

Utilization Report - B024 #2

Start Date: 02-13-07 End Date: 02-14-07

START DATE HOURS	END DATE HOURS	HOURS USED	NUMBER OF DAYS
1,010.1	1,010.1	0.0	1

AVAILABLE ANNUAL HOURS	RUNNING AVERAGE UTILIZATION	PROJECTED AVERAGE ANNUAL HOURS	PROJECTED HOURS AT END OF TERM
2400	8.9%	214	1,072

Input:
 Hours per Shift: 8
 Shifts per Day: 1
 Days per Week: 6
 Weeks per Year: 50
 Term Start: 06-01-02
 Term in Months: 60

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Miscellaneous Reports

In addition to Fleet Reports and Unit Reports, the third section contains several reports that can aid the user in managing their fleet or equipment.

Custom Location Activity Report – This report shows the user the amount of time spent at any custom location by any unit in the fleet. There are two ways to display this information – a) sorted by individual unit or b) sorted by individual location. Sorting the data by unit will show you a particular unit's time at all your custom locations for a specified period of time, such as the last week or month. Sorting the data by location will show you all the custom locations and how much time each unit spent at these different locations for a specified time range such as a week or month.

DATE	CUSTOM LOCATION	ARRIVAL TIME	DEPT TIME	DURATION	UNIT
02-02-07	Gas station in PA	7:18 PM	7:21 PM	0.1	Escape
02-03-07	Gas station in PA	12:52 PM	12:56 PM	0.2	Escape
02-05-07	Gas station in PA	1:47 PM	1:50 PM	0.1	Escape
Total Hours by Customer:				0.4	
Total Hours by Unit:				0.4	Escape

MCS Report – This report is used to format basic data coming in from the unit to a Caterpillar Maintenance Control System format.

MCS Report					Download
LATITUDE	LONGITUDE	DATE	MANUFACTURER INFORMATION	REPORT	
N 36 00 17	W 86 36 17	02/06/2007 02:51:34 PM	AA E08 E263242	SMU: 223,46,1,1	
N 36 20 42	W 86 30 05	02/06/2007 02:46:53 PM	AA L79 F516093	SMU: 52,46,1,1	
N 36 01 31	W 86 33 36	02/06/2007 02:35:33 PM	AA H79 F516964	SMU: 46,46,1,1	
N 36 03 05	W 88 08 09	02/06/2007 02:23:35 PM	AA K25 F516581	SMU: 57,46,1,1	
N 36 00 11	W 86 37 17	02/06/2007 02:22:27 PM	AA G58 F517838	SMU: 0,46,1,1	
N 36 35 33	W 86 35 42	02/06/2007 02:00:49 PM	AA K05 E283572	SMU: 0,46,1,1	

Current Units Outside the Fence Report – This report will show you current units outside of their respective Geo-Fences.

2000 FORD F150 EXT	08-19-06 01:49 PM	W United States Highway 74,Monroe,NC,28110
chevy	08-20-06 05:34 PM	2400-2499 Lucena St,Charlotte,NC,28206
99 ford explorer blue	08-23-06 04:45 PM	1300-1399 Stafford St,Monroe,NC,28110
00' FL CENTURY BLACK	08-24-06 12:36 PM	3100-3199 SW 26th Ter,Fort Lauderdale,FL,33312
2230-98 F150 RED	08-24-06 12:51 PM	3614-3799 N Tryon St,Charlotte,NC,28206
F150 MRON	08-24-06 05:59 PM	100-199 W Craighead Rd,Charlotte,NC,28206

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Summary of In-Out Trips for Today Report – This report will show the user all the units that have crossed the Geo-Fence for the current date only.

Summary of In-Out Trips for 02-06-07			
UNIT	STATE	TRIPS	CURRENT LOCATION
Truck #01	Inside	0	I-10,New Orleans,LA,70126
Van #01	Outside	1	6963-6999 Helsem Way,Dallas,TX,75230

Units Not Leaving Fence in “X” Days Report – This report will show the user all the units that have not left the Geo-Fence in the last (user defined) period.

Units that Have Not Left Fence in 5 Days			Days: <input type="text" value="5"/>
UNIT	DAYS	LAST DATE	
DT03	236	06-15-06 07:51 AM	
DT02	179	08-11-06 07:20 AM	
DT01	133	09-26-06 07:19 AM	
MT52	46	12-22-06 12:39 PM	
T-140	46	12-22-06 12:39 PM	

REPORT STYLE - DASHBOARD

On-Board Communications has recently introduced a new tool in the web based application called the Dashboard Report Style. This style is configurable under the Administrative tab.

Selected Unit: 36679289

REPORTS Configuration Mapping Alarm Status Find Unit Administration SignOff

Group: None Selected

Fleet Information Summary

Unit ID	St	Date Time	Location
36679291		11-27-06 10:42 AM	100-199 Golden St Stanley, NC
36679290		11-27-06 10:38 AM	100-199 Golden St Stanley, NC
36679289		11-27-06 10:25 AM	100-199 Golden St Stanley, NC

Legend: All Home Base Other Supplier Customer Driving St Late End Early Ext Stop Speed GeoFence Panic Need Srv

Fleet Activity Summary

Total Units: 3

Home	Base	Other	Supplier	Customer	Driving
0	0	0	0	0	3

Fleet Performance and Exception

Configure

Today Yesterday Week Month 01-26-07 01-26-07 From Thru Go

Stops For Reporting Period 0.0 0.0	Average Miles Per Day 0.0 0.0
Average Minutes Per Stop 0.0 0.0	Actual Hrs vs. Schedule Hrs 0.0 0.0

Legend: FleetTotal Goal FleetAvg. Goal FleetAvg. Goal Stop Hrs Work Hrs

Start Late	End Early	Extended Stop	Speed	Geo Fence	Panic Alarm	Needs Service
0	0	0	0	0	0	0

Once set – it changes the look of the home page and allows the user to quickly see more information about the fleet. It also allows the user to set up fleet goals and compare how the fleet is doing against those goals. The page is divided into three sections.

On the left side of the page is the Fleet information Summary. This is the same information that is normally displayed on the Fleet Information Summary page (i.e. all units, last report, and last location).

On the top right is the Fleet Activity Summary. Using this bar, a fleet manager can quickly see where his units are in relationship to any custom locations without going through all the data on left side of the screen.

Below the Fleet Activity Summary bar are the Fleet Performance and Exception Charts. This information compares the actual fleet data against goals set up by the user under the configuration button.

Proprietary and Confidential

Clicking the configuration button will bring up the configuration page. This page allows the user to input goals for the fleet such as total number of stops per day by each vehicle, average minutes per stop, and average miles per day, a start time and a stop time for days of the week.

Productivity Configuration

Goals

Stops Per Day

Average Minutes Per Stop

Miles Per Day

Extended Stop Multiplier

Include Non-reporting Units

Show All Exceptions

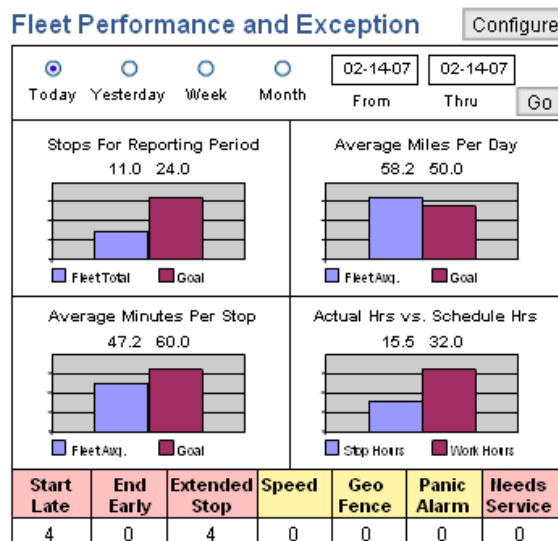
Work Days

Start Time: End Time:

S M T W T F S

Version 2.01









Once set, the user can see how the actual fleet is performing against the programmed goals. This information can be analyzed for a specific date or a range (up to one year from current date) by clicking the appropriate buttons above the graph section. The graphs will automatically redraw to show performance to goals for the specific date range requested. Below the graphs are cumulative totals regarding some specific fleet performance violations such as workday, overspeed, Geo-Fence, etc.



Proprietary and Confidential

Also when the Dashboard Report style is set, the user may click on a specific unit and bring up the unit history. This page shows the unit history for a particular unit on the left side and shows how the unit compares to the actual fleet averages on the right side for a specific date range of up to one year from the current date. It also shows individual performance violations in the Unit Exception Summary bar. The graph automatically redraws as new time ranges are requested.

Unit History (711080)
Show Fleet

Date Time	St	Location	Miles
02-14-07 02:53 PM		1400-1599 Joseph Ln Hudsonville, MI 49426	7.8
02-14-07 02:38 PM		900-999 Northpointe Dr Byron Center, MI 49315	8.5
02-14-07 02:22 PM		4601-4798 Danvers Dr Grand Rapids, MI 49512	0.0
02-14-07 01:37 PM		4601-4798 Danvers Dr Grand Rapids, MI 49512	0.9
02-14-07 01:30 PM		3400-3599 Patterson Ave Grand Rapids, MI 49512	11.3
02-14-07 01:14 PM		3700-3799 Richton Ave Grand Rapids, MI 49525	0.0
02-14-07 01:13 PM		3700-3799 Richton Ave Grand Rapids, MI 49525	1.0
02-14-07 01:05 PM		4200-4299 Plainfield Ave Grand Rapids, MI 49525	0.0
02-14-07 11:26 AM		4150-4299 N Kent Mal Grand Rapids, MI 49525	5.2
02-14-07 11:12 AM		I-296 Grand Rapids, MI 49504	12.0
02-14-07 10:56 AM		1400-1599 Joseph Ln Hudsonville, MI 49426	0.0

Count: 11
Total: 46.7

Today
Yesterday
Week
Month

02-14-07
02-14-07

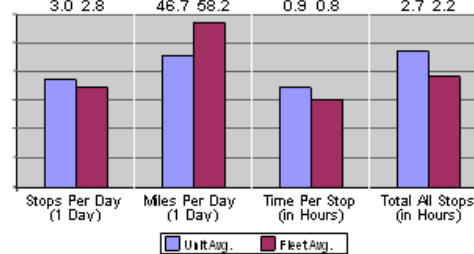
From Thru
Go

Unit Exceptions Summary

Start Late	End Early	Extended Stop	Speed	Geo Fence	Panic Alarm	Needs Service
1	0	2	0	0	0	0

Productivity Graph

(Unit Avg vs Fleet Avg)



Category	Unit Avg	Fleet Avg
Stops Per Day (1 Day)	3.0	2.8
Miles Per Day (1 Day)	46.7	58.2
Time Per Stop (in Hours)	0.9	0.8
Total All Stops (in Hours)	2.7	2.2

GLOSSARY

“Awake” mode – A term used to describe an OBC2000 unit in its normal operating condition. Also see “Sleep” mode.

Backup Battery - A secondary direct current battery that is used to provide power in the absence of the main power supply.

Custom Location – A physical address that has been changed to a unique name rather than a street address. Example XYZ Corporate Office rather than 125 Main Street.

Custom Location Identifier – One of four tags (home, base, supplier, customer) that helps you group custom locations for reporting functions.

“Dashboard” Report Style – Allows users to see specific details about each mobile unit as well as how the fleet is performing against user defined goals. Generally used by companies requiring more than basic fleet monitoring needs.

E-Mail - A message sent electronically over a computer network.

Fleet Information Summary Page – Default home page for most users that displays basic information about the mobile units in a particular fleet or group. The page can be displayed in either a Standard report style or a Dashboard report style.

Geo-Fence – A closed radius geographic boundary around a specific point.

GPS – Global Positioning System is a satellite-based navigation system originally developed for military purposes.

Home Page - In computer terms, a home page is the site an Internet browser or application program first visits when opened. In addition, a home page may also refer to the main page of a website.

Icon - a tiny graphical picture on the screen that represents an object.

Internet Browser – see Web Browser

MCS – Maintenance Control System. A Caterpillar product used in analyzing engine data.

Microsoft Internet Explorer – an Internet graphics and text web browser.

OBC2000 – a mobile device using Cellular technology to communicate back to the host.

OBC9000 – a mobile device using Reflex technology or “paging” network to communicate back to the host.

OBC9000S – An OBC9000 with an optional in vehicle reporting switch that allows the driver to turn off or deactivate the unit’s reporting capability. Examples of usage would be units installed in personal non-company vehicles where the owner does not want to be tracked on personal time.

Offset – The difference between the actual mileage/engine hours on a vehicle’s odometer / hour meter and the mileage/hours the mobile unit is currently registering.

Panic Button – An OBC2000 optional add-on device that allows the user to send an immediate message (including a location report) from the unit back to the web application.

Password – a combination of letters and/or numbers that are used to authenticate the identity and authorize access to the application by a specific user. Initially assigned by On-Board Communications but can be changed by an individual user under the Administrative Tab.

“Ping” – a term used to describe a message that is sent to the mobile unit.

Popup - A window that automatically loads for viewing without being selected by the user.

ServiceTraks™ - An exclusive On-Board Communications application that allows a user to track and schedule service intervals on vehicles/equipment based on miles driven or total engine hours.

“Sleep” mode – An OBC2000 specific mode where the mobile unit detects a low battery reading and idles down by not transmitting or receiving any messages. Also see “Awake” mode.

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“Standard” Report Style – allows viewers to see specific details about each mobile unit.

Generally used by companies who monitor equipment or have basic fleet monitoring needs.

Starter Interrupt Relay – Optional piece of hardware that allows the unit to disable the starter on the vehicle. It does not kill the engine only disables the starter to keep the engine from starting.

Status Icon – a small graphical picture used to help identify the specific state of a mobile unit.

Unit – a name for an On-Board Communications mobile device.

Unit History Page – Page that shows a specific unit’s location history covering a user defined time period.

Unit Label – the name assigned to a unit under the Administration tab that identifies a particular unit on the screen. When a unit is shipped from On-Board Communications, the unit label is the same as the unit’s ID number.

User - A person, organization, or other entity that employs the services provided by On-Board’s web application.






Username – a combination of letters and/or numbers that identifies you to the web application. It is similar to a bank account number. Assigned by On-Board Communications and is not changeable.

Web Browser - a software application that enables a user to display and interact with text, images, and other information typically located on a web page at a website on the World Wide Web or a local area network.



ICON REFERENCE CHART

Fleet Information Summary & Unit History Icons








General Icons

-  Start icon that indicates movement of vehicle.
-  Stop icon indicates the movement of the vehicle has stopped as defined by the configuration.
-  Message icon indicates a message has been sent to the unit. Also referred to as a “ping.”
-  Dash icon indicates an invalid GPs reading.
-  Geo-Fence icon indicates a vehicle is now outside of a pre-set geo-fence area.





OBC2000 Specific Icons

-  Sleeping Moon icon indicates the unit is in a low power “sleep” mode.
-  Panic icon indicates that the optional add-on panic button has been activated or pressed.





OBC9000 Specific Icons

-  Backup Battery icon indicates the unit has sensed a complete loss of +12VDC power and is now utilizing its onboard backup battery.
-  Ignition On icon indicates the ignition on the vehicle is switched on. This icon will only appear if the unit is configured properly and the ignition wire from the mobile unit is hooked up.
-  Ignition Off icon indicates the ignition on the vehicle is switched off. This icon will only appear if the unit is configured properly and the ignition wire from the mobile unit is hooked up.
-  Report Switch On icon indicates that the optional hardware button is activated and the unit is reporting locations. This icon will only appear if the unit is configured properly and the option report switch is installed on the vehicle.
-  Report Switch Off icon indicates the optional hardware button has deactivated the location reporting mode on the OBC9000S to off. In the off mode, the unit does not store or send in any location reports. This icon will only appear if the unit is configured properly and the optional report switch is installed on the vehicle.
-  Stored Data icon indicates that a particular location report was stored in the mobile unit’s memory and transmitted at a later time. This can occur when the OBC9000 is outside of a coverage area and is unable to transmit location reports. Upon returning to a coverage area, the unit will automatically send in all stored location reports and tag them as stored. This icon will only appear on the Unit History page.
-  Backup Battery Level icons indicate how much power is remaining in the onboard battery when the unit running on battery backup power. There are nine levels of icons each giving a visual representation of the estimated battery life remaining. These icons will only appear on the unit history page. Also see Back-up icon above.






Mapping Specific Icons

-  Car icon indicates a specific vehicle in the fleet. Rolling the mouse over the icon will display its unit label.
-  Truck icon indicates a specific vehicle in the fleet. Rolling the mouse over the icon will display its unit label.
-  Start icon indicates a start location for a specific vehicle in the fleet.
-  Stop icon indicates a stop location for a specific vehicle in the fleet.

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-  Interval icon indicates an interval position report for a specific vehicle's route. Interval report modes are set under the configuration page and can range from 5 minutes to 1 per month depending on the user's contract.
-  Yellow interval icon indicates an interval position report for a specific vehicle's route when the vehicle is outside of a preset geo-fence.
-  Custom Location icon marks the position of a custom location. Only visible if the zoom level is set to 50 miles or less.
-  Center Point icon indicates the center point of a Geo-Fence boundary.

ServiceTraks™ Specific Icons

-  Update Vehicle Data button used to input an offset in order to sync the mobile unit's hours/mileage to the actual hours/mileage of the vehicle.
-  Schedule a New Service button is used to input a new service for a specific vehicle and to have the service repeated at a set interval.
-  Edit Selected Service button is used to edit or change the parameters on a service that has already been created.
-  Perform the Service button allows the user to mark a scheduled service complete and choose whether or not to reschedule the same kind of service for the next interval.
-  Delete the Service button allows the user to delete a service that has already been created.