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# Garmin Functional Overview

Routing and Dispatch In Action



Checkmate supports that ability to send messages directly to the Garmin device in the vehicle.

# Messages

Geotab Checkmate

Back Forward History Home

MY.GEOTAB.COM Sign

- Getting Started & Help
- Show Map
- Vehicles & Devices
  - Vehicles & Devices
  - Engine Data
  - Setup Engine Data...
  - Maintenance Reminders
  - GPS Text Messages
  - Send GPS Text Message
  - Auxiliary Status
  - Auxiliary Setup
  - Troubleshooting & Accidents...
- Customers & Zones
- Drivers & Activity
- Rules & Groups
- Administration

### Yesterday's Top Speeds

Vehicle	Maximum Speed in km/h
SD	135
NC	125
PV	125
RC	125
SV	123

### Latest Arrivals

Vehicle	Arrival Time
JC	09:21
DK	09:07
PV	08:38
CD	08:24
KC	07:55



## Message Window Appears

Messages can be sent to the device or to the driver.

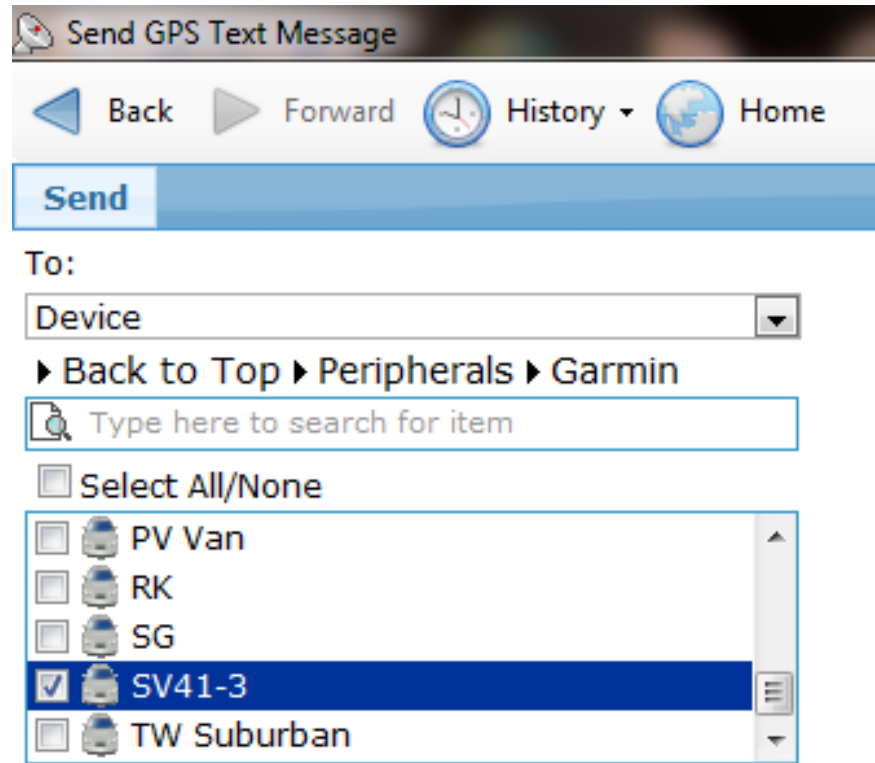
When driver ID keys are used the system will find which vehicle the driver has claimed for the day and delivers the message to the Garmin connected to that asset.

A screenshot of the 'Send GPS Text Message' window. The window has a title bar with a location pin icon and the text 'Send GPS Text Message'. Below the title bar is a navigation bar with 'Back', 'Forward', 'History', and 'Home' buttons. A blue 'Send' button is located below the navigation bar. The 'To:' field is a dropdown menu currently showing 'Device'. Below this is a search bar with the placeholder text 'Type here to search for item'. Under the search bar are three checkboxes: 'Select All/None', 'Department', 'Peripherals', and 'Status'. The 'Message:' field is a large text area with a vertical scrollbar. At the bottom, there is a 'Reply Options:' dropdown menu currently showing 'No Reply / Free Text'.



## Select Driver

The message center uses the same filtering as the other Checkmate map view and reporting functions





## Type Message up to 265 Characters

Send GPS Text Message

Back Forward History Home

Send

To:

Device

Back to Top Peripherals Garmin

Type here to search for item

Select All/None

- PV Van
- RK
- SG
- SV41-3
- TW Suburban

Message:

Please go to the west side depot and pick up parts order 3712 before your next service call.



# Response Types

Send GPS Text Message

Back Forward History Home

Send

To:  
Device

Type here to search for item

- Select All/None
- Department
- Peripherals
- Status

Message:

Reply Options:

- No Reply / Free Text
- No Reply / Free Text**
- Ok
- Yes, No
- yes, no, send someone else
- why do you ask, no, yes
- Yes, No
- Custom





## Choose Response Type- Custom

Send GPS Text Message

Back Forward History Home

Send

To:

Device

Back to Top Peripherals Garmin

Type here to search for item

Select All/None

- PV Van
- RK
- SG
- SV41-3
- TW Suburban

Message:

Please go to the west side depot and pick up parts order 3712 before your next service call.

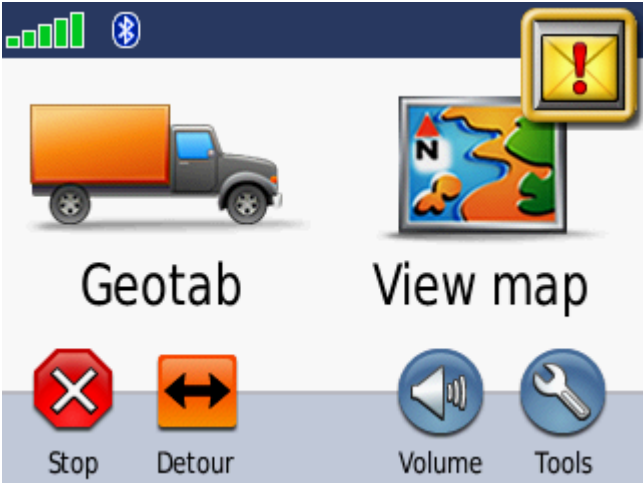
Reply Options:

Custom

yes, no, |send someone else







# Message Received Icon Appears









# Message List- Touch the message to Open

 Please go to the we	<b>1:40</b> P M
 Hear that? It's the e	<b>1:23</b> P M
 Idle Rule on 16/04/2	<b>1:23</b> P M
 Please go to the we	<b>1:18</b> P M

**Back** **Delete**  



## Message

16-APR-10 1:40 P M

Please go to the west side depot and pick up parts order 3714 before your next service call

Reply



## Choose Response from List

Select Reply

Yes

No

send someone else

Back

↑

↓



# Track Message and Response

GPS Text Messages

Back Forward History Home

Send New Message Reply Day 04/16/2010 More Search

From	To	Message	Delivered
SG		Breakdown	10:27 AM
SG		Test Caesar	10:21 AM
SG		Site Visit	10:13 AM
stephaniev@geotab	SV41-3	Please go to the west side depot and pick up parts order 3712 before your next service call. [options: yes, no, send someone else]	

GPS Text Messages

Back Forward History Home

Send New Message Reply Day 04/16/2010 More Search

From	To	Message	Delivered
SG		Breakdown	10:27 AM
SG		Test Caesar	10:21 AM
SG		Site Visit	10:13 AM
stephaniev@geotab	SV41-3	Please go to the west side depot and pick up parts order 3712 before your next service call. [options: yes, no, send someone else]	12:08 PM
SV41-3		Yes	12:09 PM



# Audit Log Shows Messages Sent

**Audit Log**

Back Forward History Home

Filter Reports

Period: Custom Date...  
 From: 4/15/2010 2:51 PM  
 To: 4/16/2010 11:59 PM

Only show user: Not Applicable  
 Only show event: Not Applicable

Date	Event	User	Details
4/16/2010 12:24:02 PM	Send GPS Text Message	System	Sent a GPS Text Message
4/16/2010 12:23:13 PM	Send GPS Text Message	System	Sent a GPS Text Message
4/16/2010 12:20:12 PM	Add Distribution List	stephaniev@geotab.com	Garmin Drivers
4/16/2010 12:19:01 PM	Delete GPS Text Message	davidk@geotab.com	A GPS Text Message was deleted
4/16/2010 12:18:52 PM	Send GPS Text Message	davidk@geotab.com	Sent a GPS Text Message
4/16/2010 12:17:06 PM	Add Exception Rule	stephaniev@geotab.com	Idle Rule
4/16/2010 12:15:09 PM	User Login	stephaniev@geotab.com	stephaniev@geotab.com logged in successfully. Same user already logged in from...
4/16/2010 12:09:56 PM	Send GPS Text Message	System	Sent a GPS Text Message
4/16/2010 12:09:32 PM	Send GPS Text Message	System	Sent a GPS Text Message
4/16/2010 12:01:05 PM	Send GPS Text Message	stephaniev@geotab.com	Sent a GPS Text Message
4/16/2010 11:57:04 AM	Send GPS Text Message	System	Sent a GPS Text Message
4/16/2010 11:46:21 AM	Send GPS Text Message	System	Sent a GPS Text Message
4/16/2010 11:22:30 AM	User Login	stephaniev@geotab.com	stephaniev@geotab.com logged in successfully
4/16/2010 11:19:53 AM	Send GPS Text Message	System	Sent a GPS Text Message
4/16/2010 11:08:02 AM	UserLogout	Garmin@geotab.com	Garmin@geotab.com logged off
4/16/2010 11:07:18 AM	User Login	Garmin@geotab.com	Garmin@geotab.com logged in successfully
4/16/2010 11:05:47 AM	UserLogout	stephaniev@geotab.com	stephaniev@geotab.com logged off
4/16/2010 11:03:39 AM	User Login	stephaniev@geotab.com	stephaniev@geotab.com logged in successfully. Same user already logged in from...
4/16/2010 11:02:25 AM	User Logout	Garmin@geotab.com	Garmin@geotab.com logged off



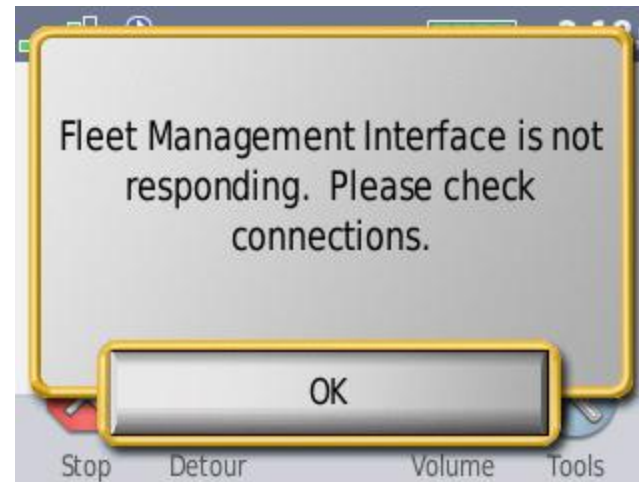
## Go4 Device and Garmin

- Go4 Device Controls Power
- When the ignition is turned on the power to the Garmin goes on





## Cable Not Detected



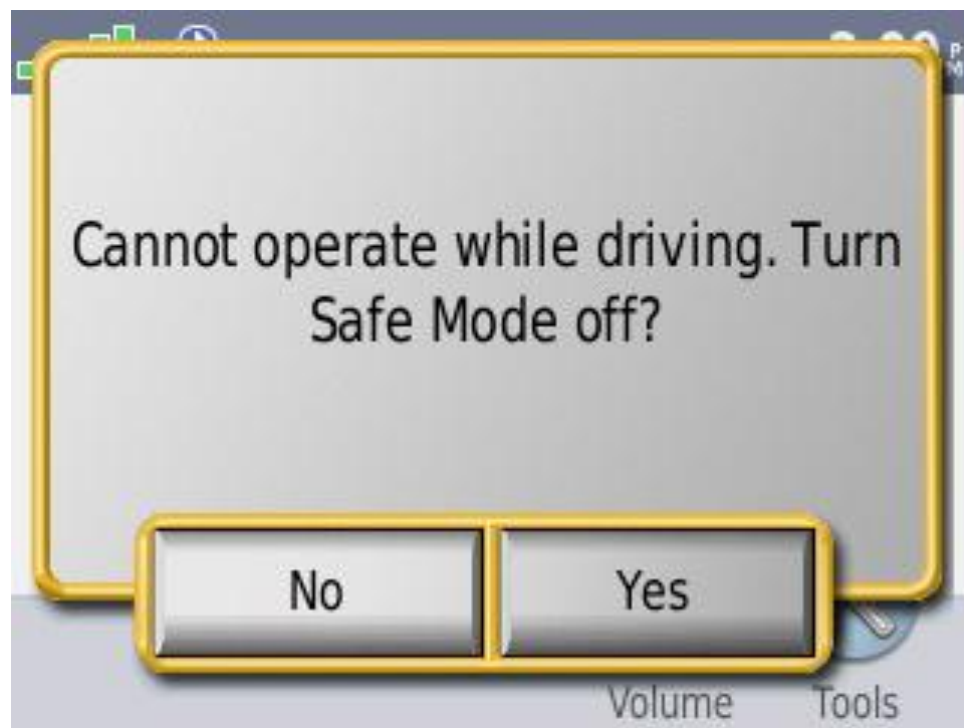


# Cable Detected





## Safe Driver Mode is On





# Disconnected Garmin Exception Report

Device	Exception Rule	Start Time	Duration	Engine Exception	Details	Department	Peripherals	Region	Status
PV									
PV	Garmin unplugged	7/16/2010 3:38:32 PM		Average Garmin Connected: 0.00	Garmin Connected > -1 and Garmin Connected < 1	Software developer	Garmin	Oakville	Available
PV Van									
PV Van	Garmin unplugged	7/11/2010 1:11:29 PM		Average Garmin Connected: 1.00	Garmin Connected > -1 and Garmin Connected < 1	Software developer	Garmin	Oakville	Available



## Quick Message/Status

- Available
  - Breakdown
  - Private
  - Site Visit
- Back
- ↑
- ↓



# Filter for Type

Geotab Checkmate Map - Orlando

Back Forward History Home

View In Out Live Add To Map Draw Zone Route Find Nearest Everything in Firmware developer Help

Filter Map Activity Map Current Position Summarized Options Reports More Hide

Period: Today

Device: AP J1708

Type here to search for item

Select All/None

Department

Peripherals

Status

Show Inactive

Apply

Device	Group	Departure	Driving	Arrival	Distance	Stopped	Location	Idling	Max S
AP J1708	Friday, April 16, 2010								
AP J1708	Available, Firmware developer, Ga...	7:40 AM	17m	7:58 AM	8		Geotab Inc. Oakville: 1075 S Servi...		61
			17m		8				

-44.12109 : 46.77264





# Highlight Status

Geotab Checkmate Map - Orlando

Back Forward History Home

View In Out Live Add To Map Draw Zone Route Find Nearest Everything in Firmware developer Help

- MapPoint
- Bing Maps
- Openstreetmap.org Maps
- GEOTAB ESRI Maps
- Orlando
- USA
- World
- Atlanta
- Highlight Groups
- Auto Zoom
- Show Traffic Conditions
- Map Style
- Clear Map
- Refresh
- Save this View

AP J1708 (#1677216) PV Van DK (dave) PV

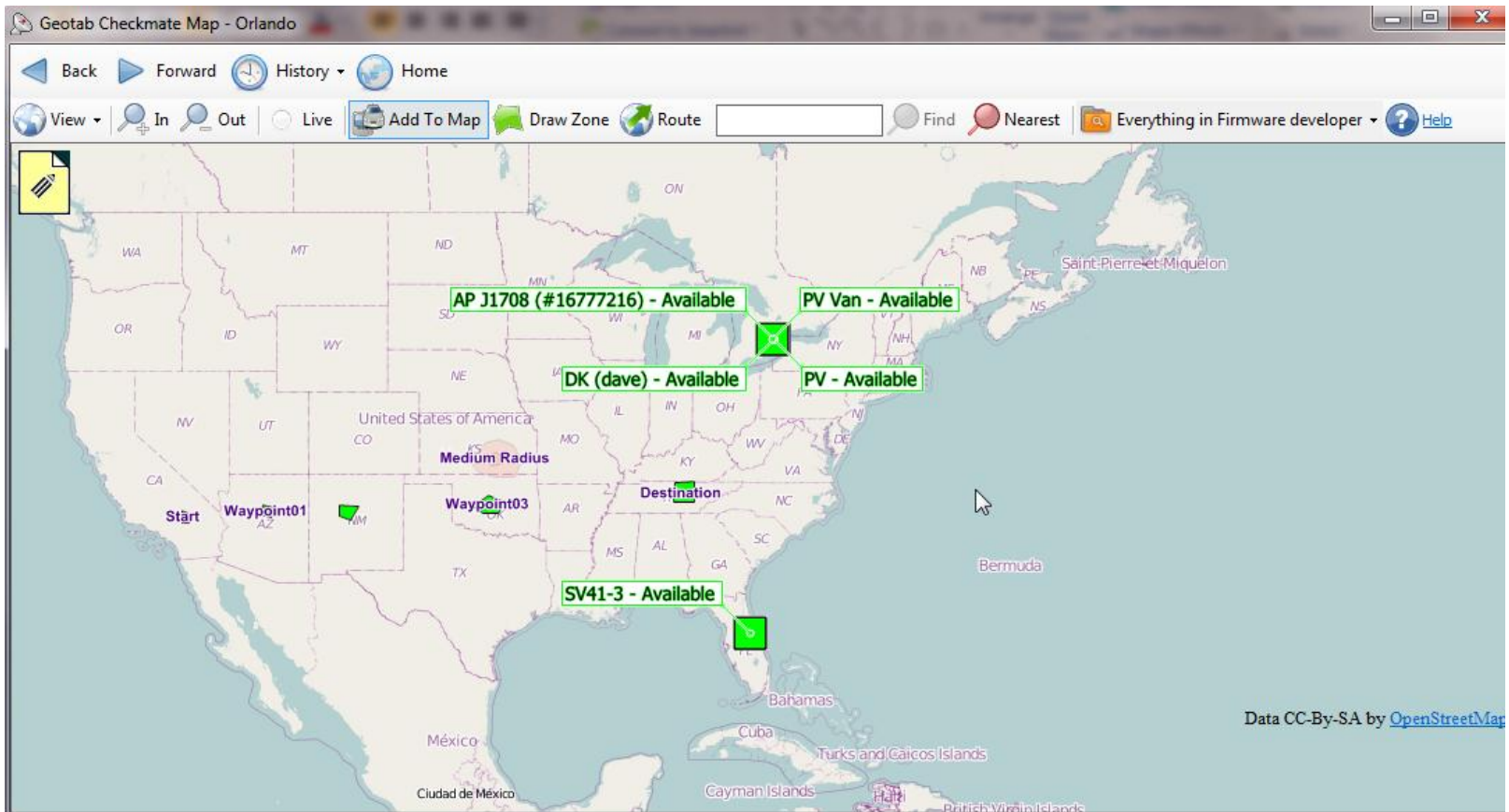
Medium Radius Destination SV41-3

- None
- Department
- Peripherals
- Status
  - Everything in Status
  - Available
  - Breakdown
  - Private
  - Site Visit

Data CC-BY-SA by OpenStreetMap



# Show Only Available





# Sending Routes to Vehicle

Routes

Back Forward History Home

**Routes**  
 Routes consist of a sequence of zones. Users can get directions of a route on Virtual earth. By displaying the turn to turn directions, users are able to compare planned and

+ Add ✎ Edit - Remove 📶 Send Route to Vehicle

- Australia
- Cross Country Trip
- Equipment Run
- For Sale
- From LTH to GEOTAB Oakville
- From \*RBC Bank to Geotab Inc. Oakville
- From another to Hopedale mall
- From AP Home to Zone LTH
- From Bobcaygeon to Bobcaygeon
- From DL Home to Geotab HQ New
- From Geotab HQ New to AP Home
- From Geotab HQ New to Bills Pub
- From Geotab HQ New to Cawse senior's Home
- From Geotab HQ New to HOME ZONE
- From Geotab HQ New to MK Home
- From HOME ZONE to Geotab HQ New
- From Hopedale mall to another
- From Hopedale mall to wqeq
- From Kathryn's Home to test
- From Kevin1 to Kevin1
- From kvin 2 to Kevin1
- From Mauricio's Home Zone to Geotab Inc. Oakville
- From Niagara Peninsula to Hopedale mall
- From point1 to point1
- From Sebasten Point1 to Sebasten Point3
- From Sv Home to RV 1
- From test to eky
- From test to EtraTech
- From Zone LTH to Hopedale mall
- From Zone LTH to LTSoc
- FS
- Heathers Route to Geotab Office
- Hello
- Kathryn's Route
- Kawartha Lakes Trip
- NEW
- OH
- Patrick Store to Home

Send Route to Vehicle

Back to Top Peripherals Garmin

Select the vehicle to send the route to.

Route: From Sv Home to RV 1

Type here to search for item

- Select All/None
- NC DEMO
- PM-2
- PV
- PV Van
- RK
- SG
- SV41-3
- TW Suburban

Show Inactive

- Sv Home
- Customer A
- Customer 4
- Customer 6
- RV 1

Send



# Editing Quick Status Options

**Device Editor**

Back Forward History Home

**Device Editor**  
The Device Editor allows you to define properties for each of your devices.

Device Driver Feedback Groups Status Groups Engine Auxiliary Admin Logging Parameters Radio Channels Custom Parameters Comment

The devices status groups appear on the GPS that's attached to a GO device. The driver is able to select one of the statuses listed here. Checkmate will automatically place the device into the status group that the driver selects.

+ Add - Remove

GPS Text Message devices will have these Status Groups to select from:

Group
Available
Audit Wrap Up
In Transit
Client Site Visit

**Group Administration**

Back Forward History Home

**Group Administration**  
Provide a description for the group. Groups can contain other groups forming a hierarchy. Assign your assets to Groups in the hierarchy.

Group Name: Office Time

Group Asset Color

**Color**

Basic colors:

Custom colors:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Define Custom Colors >>

ColorSolid

Hue: 160 Red: 0  
Sat: 240 Green: 0  
Lum: 120 Blue: 255

OK Cancel Add to Custom Colors





# Messages Options



Create Message



Quick Message



Inbox








Outbox

Back



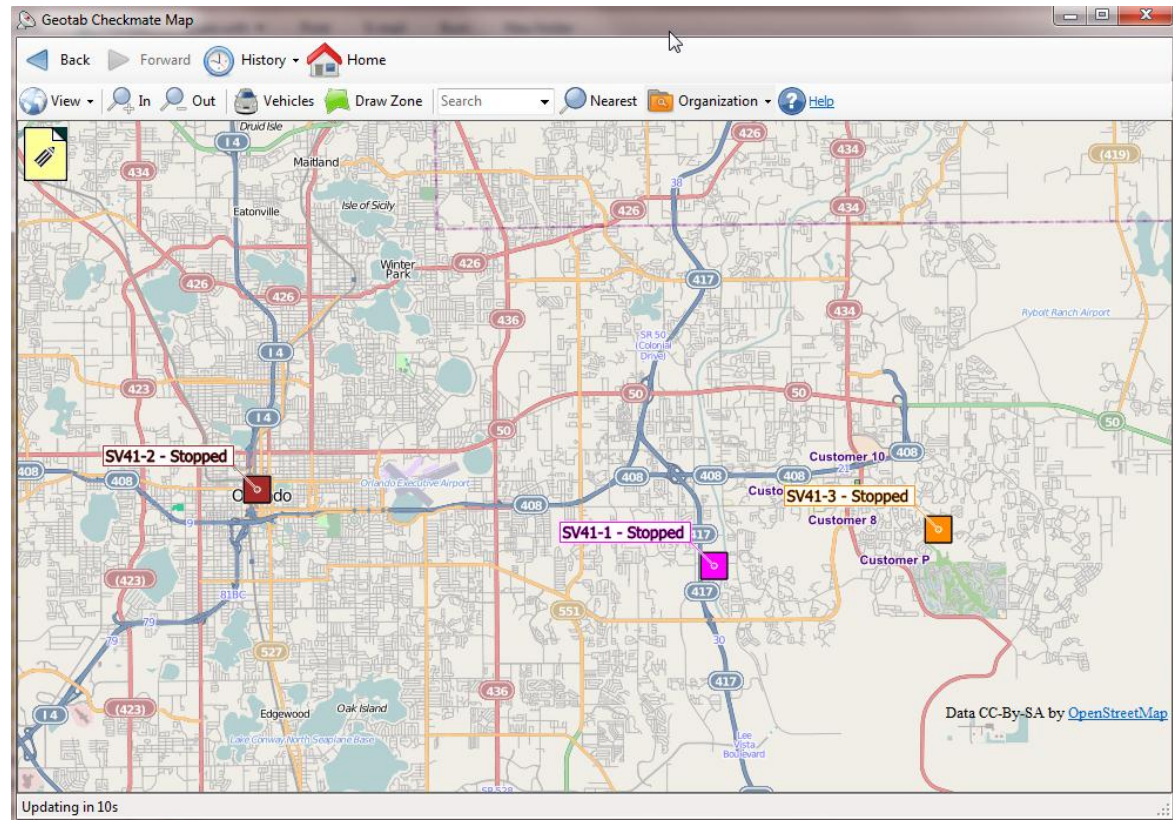
# Quick Message/Status

Client Site Visit	Sending...		
 In Transit	<b>4:30<sup>P</sup><sub>M</sub></b>		
 Ok	<b>2:28<sup>P</sup><sub>M</sub></b>		
 Available	<b>2:14<sup>P</sup><sub>M</sub></b>		
<b>Back</b>	<b>Delete</b>		



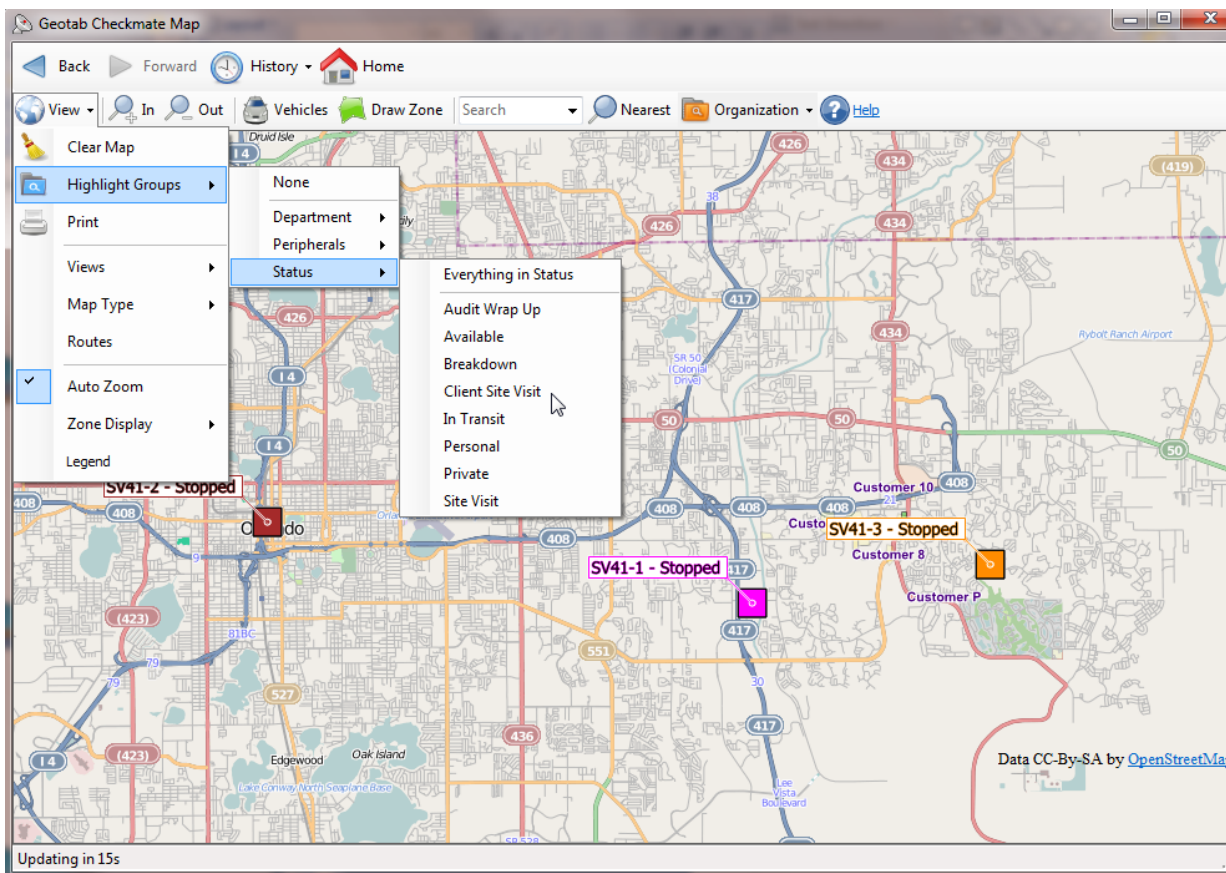


# View Current Activity





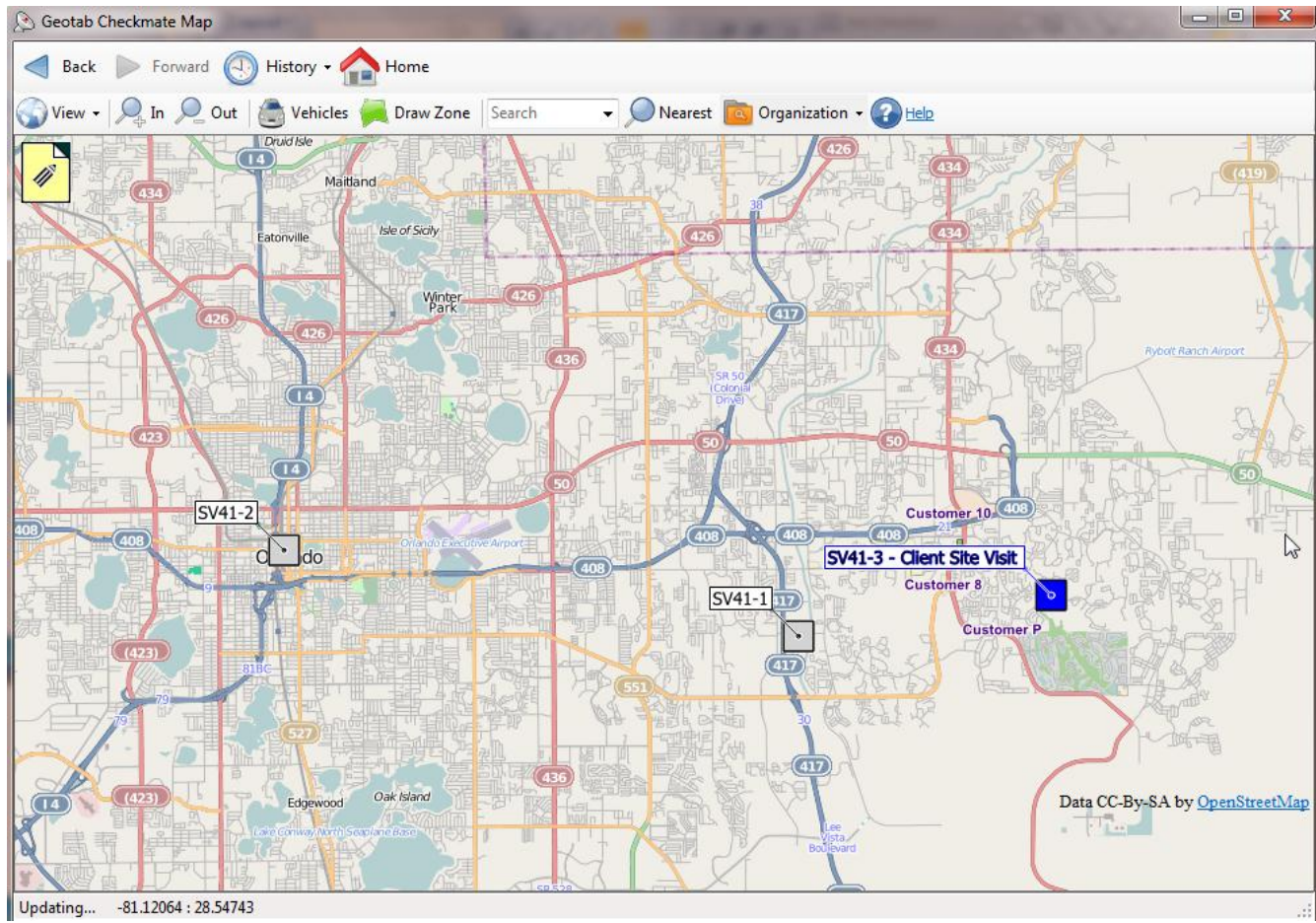
## Highlight a Status On the Map





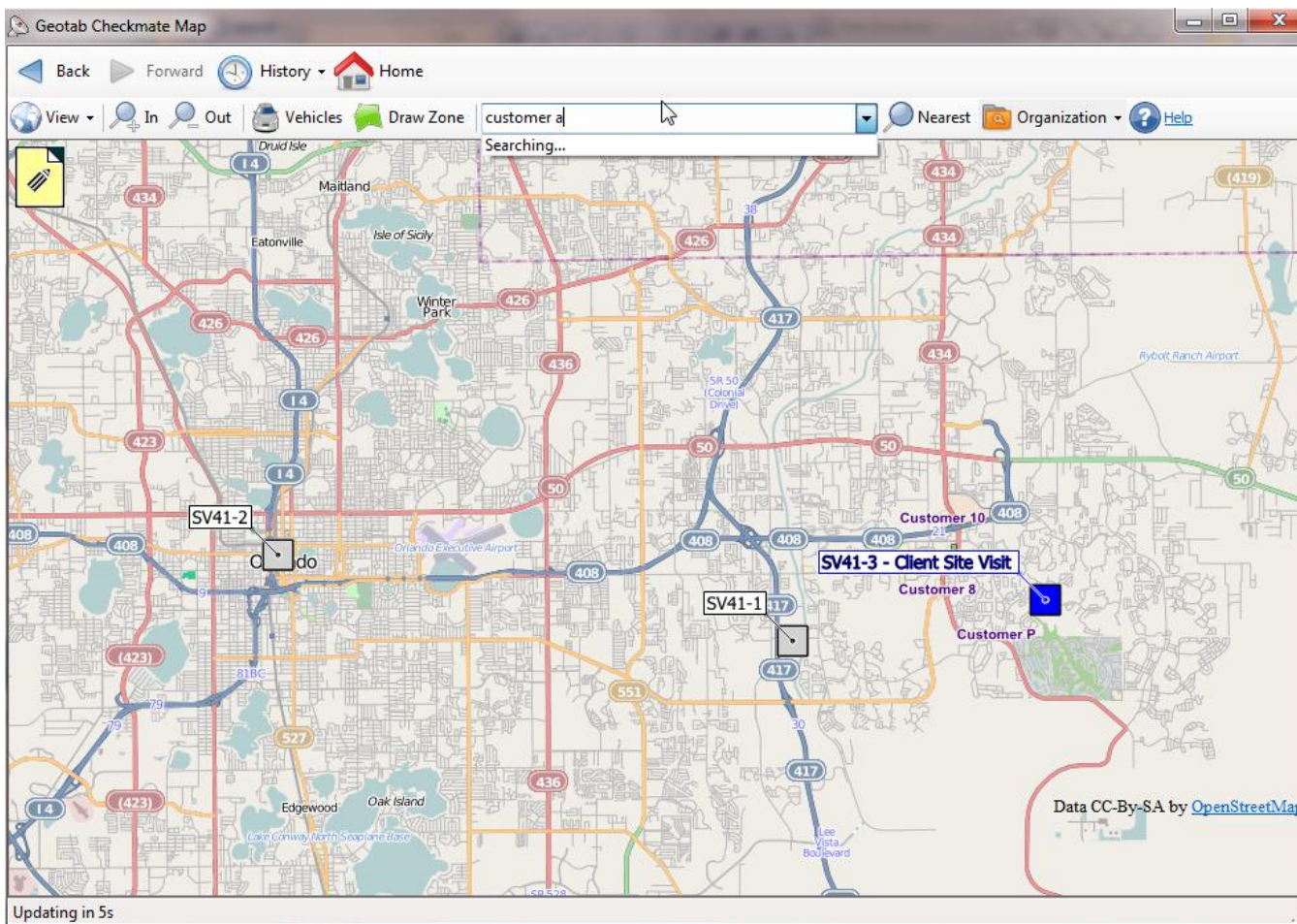


# Only That Group is Highlighted





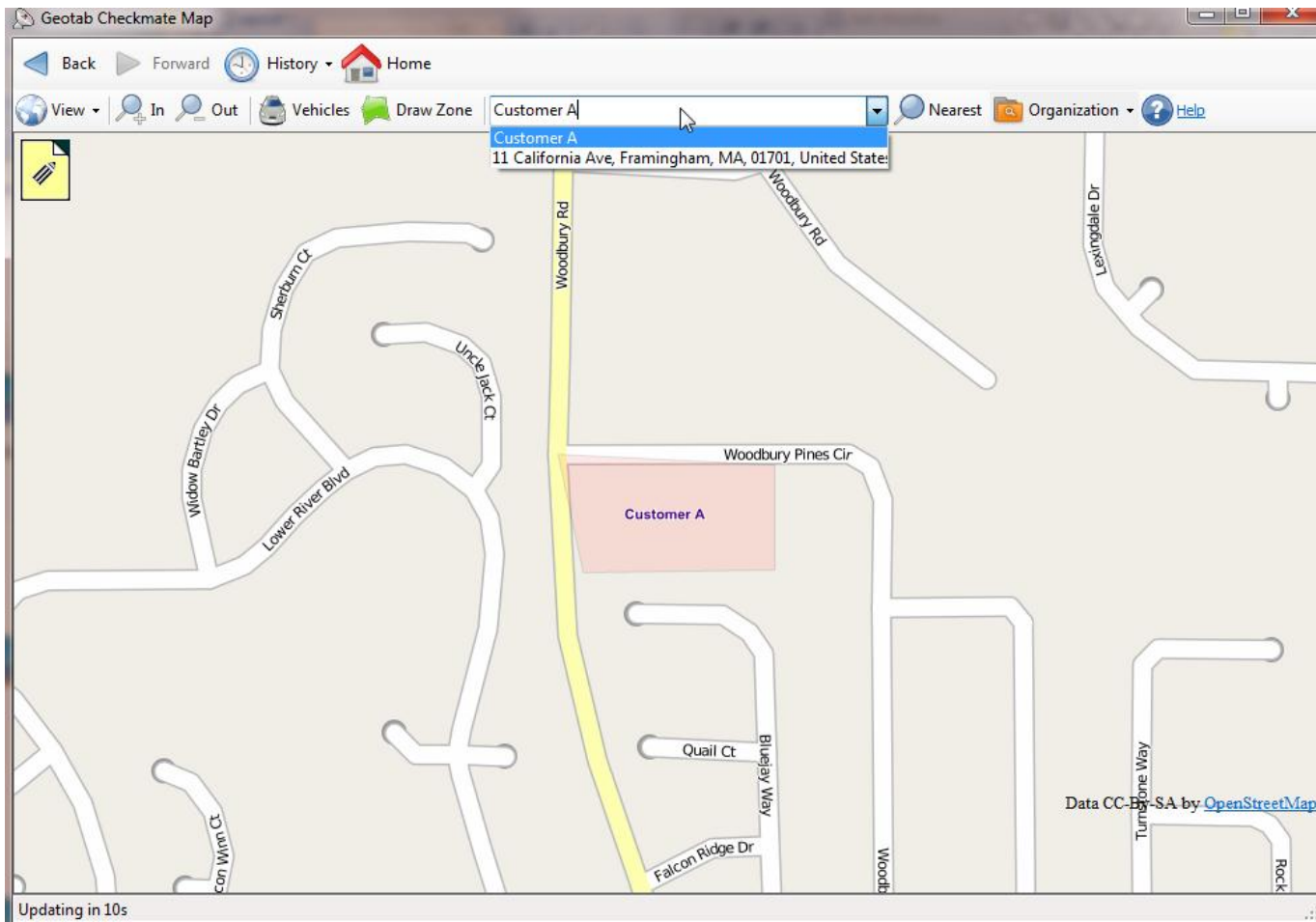
# Find A Customer on the Map





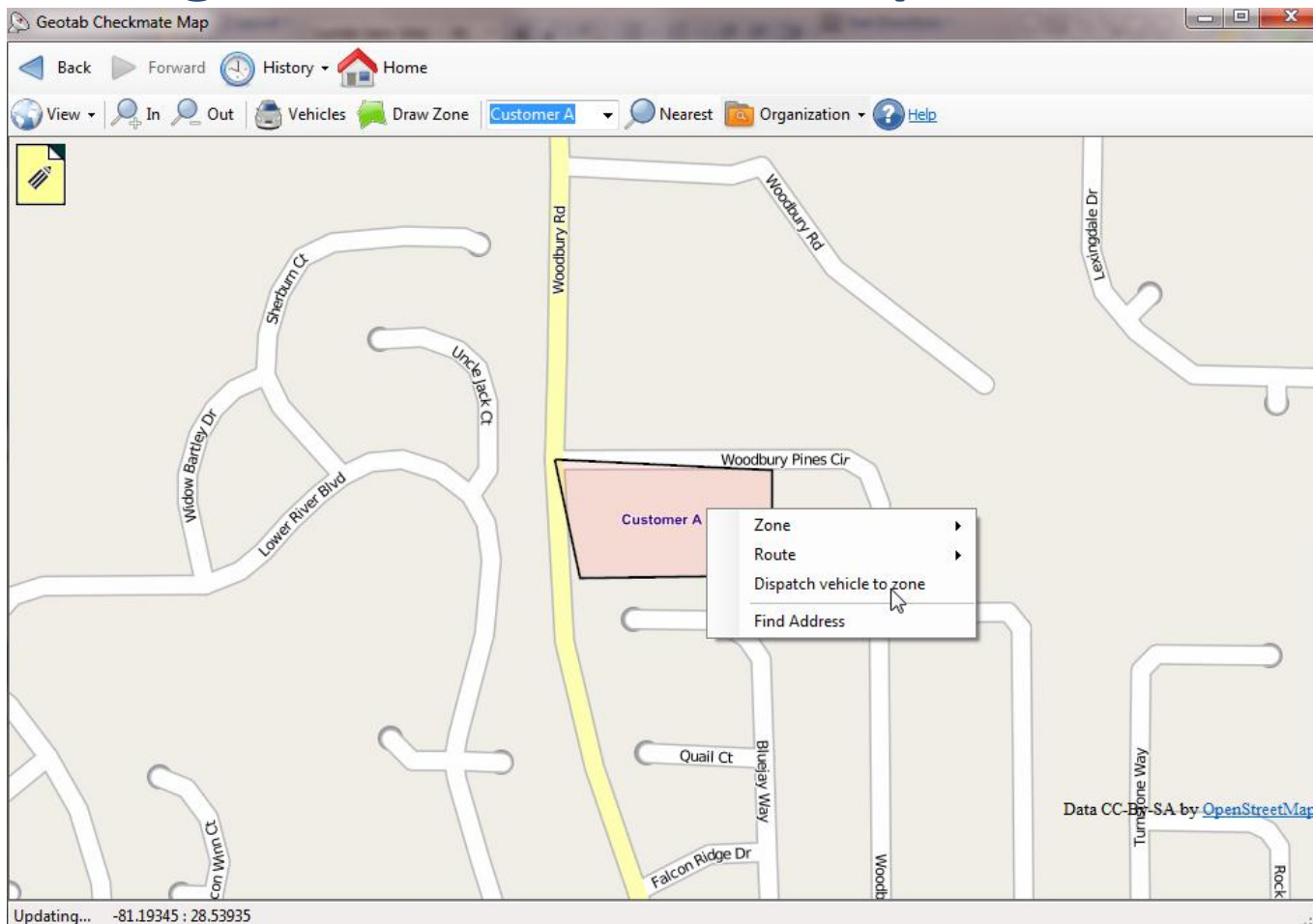


## Customer Location on the Map





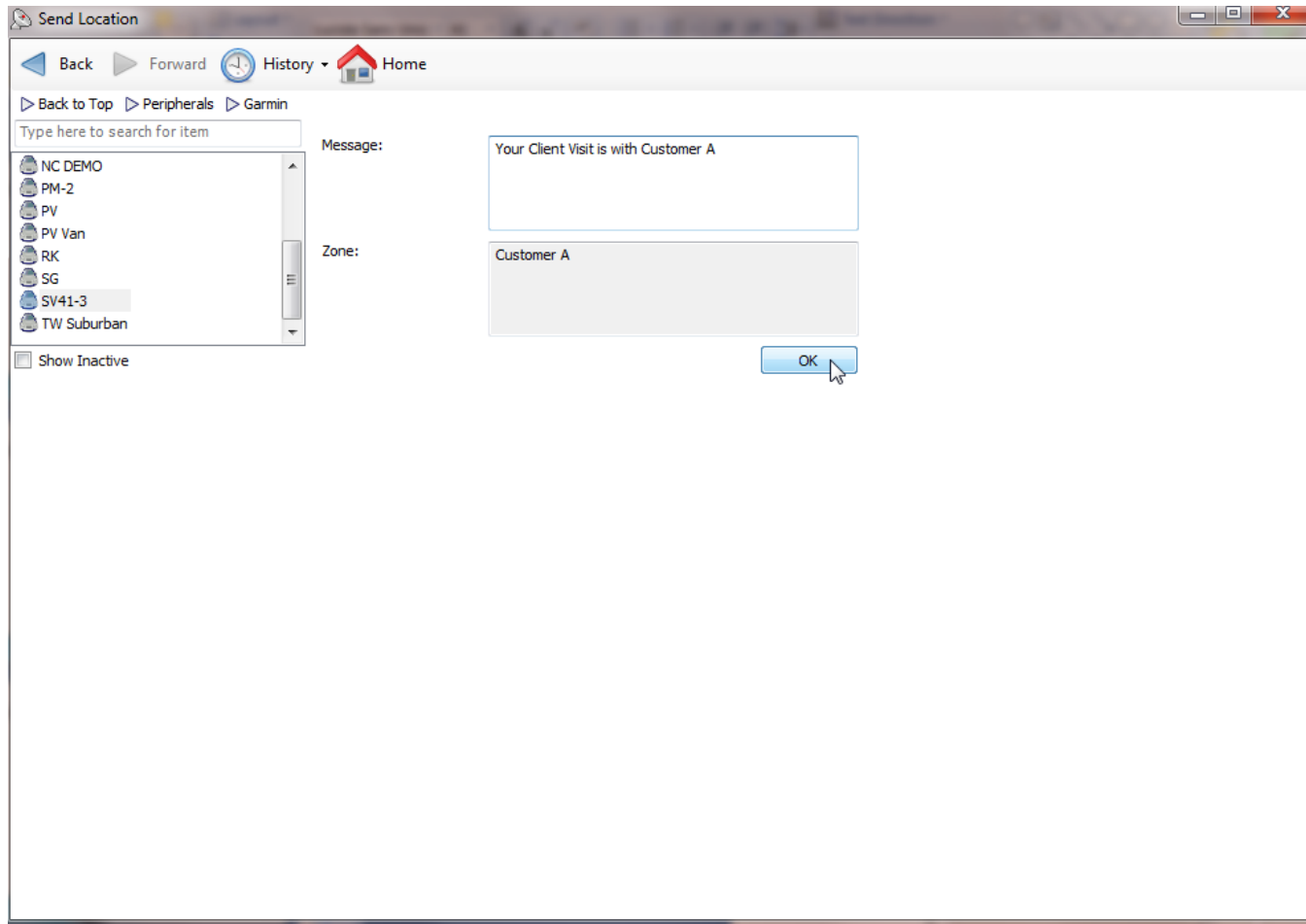
# Right Click and Select Dispatch





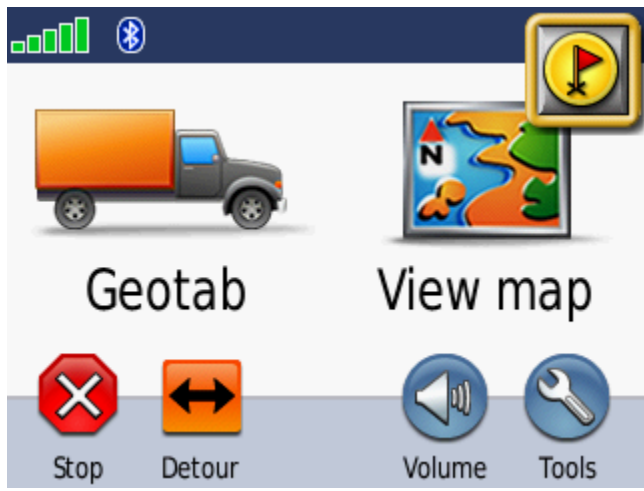


## Select the Asset / Click OK





## Dispatch Received in Vehicle





# 1 Waypoint Pending



My Stops (1)



Messages



Find Location



Driver Info

Back



## Dispatch / Click Go!

07-MAY-1 4:46 PM

Your Client Visit is with Customer A -  
Customer A

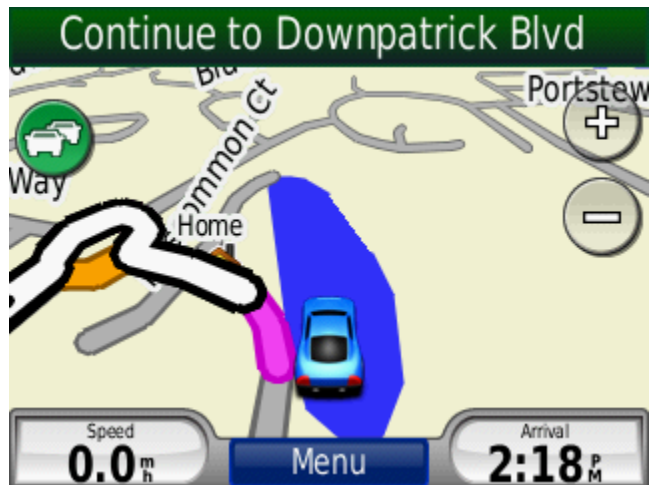
Back

Edit

Go!



## The Garmin Begins Routing





## Mark Stop as Arrived

You have arrived at:

"go for pick up - Customer A"

Would you like to mark as Done?

No

Yes





## Stops as Seen in the Vehicle

✓ go for pick up - (	0.9 <sup>m</sup>	NW
✓ Got to Customer	0.0 <sup>m</sup>	NW
🚩 Your Client Visit	0.9 <sup>m</sup>	NW

Back Delete ↑ ↓



# Notifications Options

**Distribution List**

Back Forward History Home

**Distribution List**  
A list of exceptions events notifications recipients. A valid recipient is the Checkmate user or email address.

Distribution List:

Add Recipient

Notify using: **Log only - Log exception in notification list only.**

User:

- Log only - Log exception in notification list only.
- Popup - show balloon popup while user is using Checkmate
- Urgent popup - show notification list with exception highlighted in red
- E-mail - send an E-mail message when this exception happens
- Sound alarm - play the selected audio file while the user is using Checkmate
- Web Service - make a Web Service call to the provided URL when the exception happens
- Text message - display a text message on a compatible device attached to the GO unit**

Recipient

Remove Recipient from List

OK



# Rule and Distribution List

**Exception Rules**

Use exception rules to monitor device activity. Create rules to detect excessive speeds, no go areas or other conditions.

**Exception Rules**

- Application Exception
- An Engine Fault Occurred
- Driving faster than 100km/h
- Engine Rule 1 (Software developer)
- Engine unplugged
- Get back to work! (Garmin)
- Hear that? It's the engine that's still running. (Garmin)
- Home sweet home (Garmin)
- I see dead people (Garmin)
- Kids at play (Garmin)
- nc1
- RPM
- Speed over 130km/h
- Work hard, play hard (Garmin)
- You've crashed into the building
- Idle Rule**

**Distribution Lists**

- Application Exception
- Garmin On Screen Notification
- Garmin Users Email
- nc1
- Garmin Drivers

[Recalculate Data](#)   [Alarm Sounds](#)



## Exception Notification

16-APR-10 1:23 PM

Idle Rule on 16/04/2010 1:19 PM

Back Delete Reply