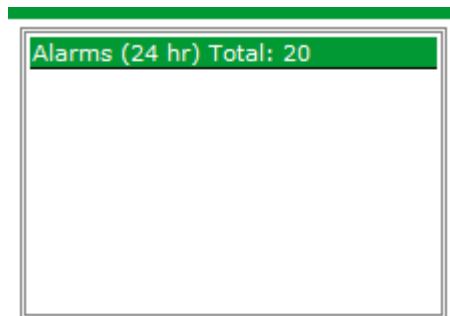


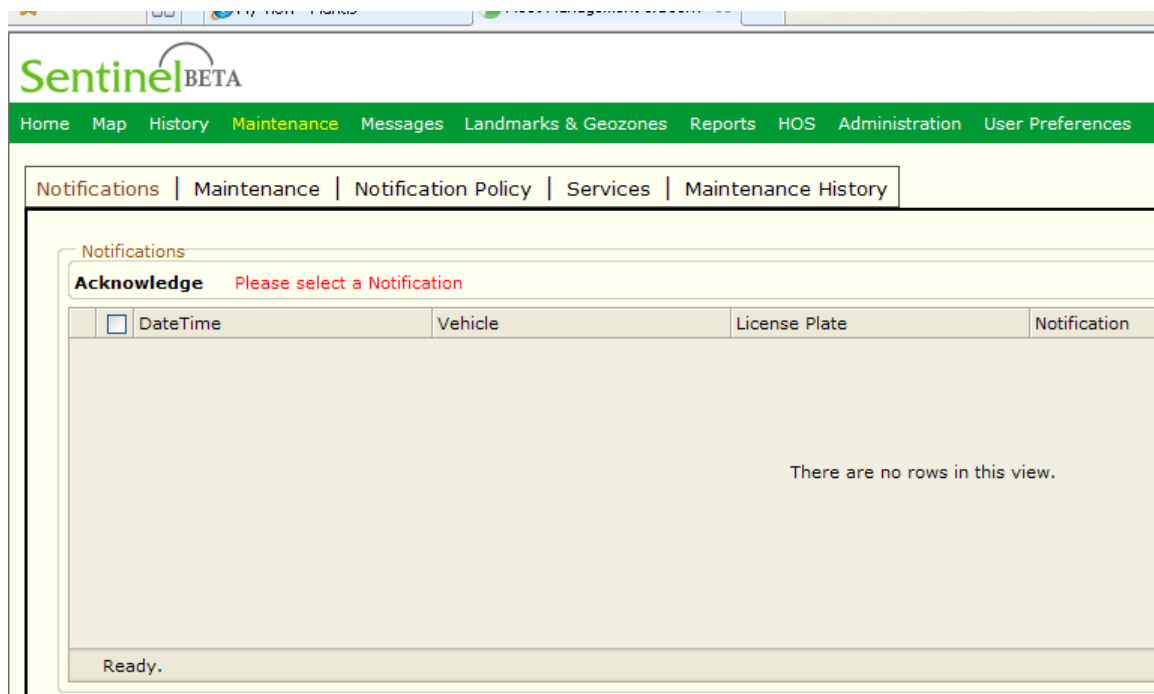
## New Features in upcoming release

These features are designed to enhance the usability and functionality of the SentinelFM website and include new features such as DCT codes displaying in the alarm window as well as several bug fixes from pervious releases.

### ***DTC codes displaying in the alarm window and in the notification panel***



The DTC codes are displayed in the alarm window now.



There is a new display window in the Maintenance tab of the SentinelFM website; when users click on this link now they see a new panel for Notifications.

## ***New report “Trip Summary Totals Report”***

Two new reports have been added including:

1. Trip Summary Totals Report per Vehicle

The screenshot shows a web-based configuration interface for the "Trip Summary Totals Report per Vehicle". At the top, a dropdown menu is set to "Trip Summary Totals Report per Vehicle". Below this, a section titled "Calculate Trips based on:" contains three radio buttons: "Ignition" (selected), "Tractor Power", and "PTO". The date and time range is defined by two sets of dropdowns: "From:" (Day: 03/18/2010, Time: 08 AM) and "To:" (Day: 03/20/2010, Time: 6 PM). A mouse cursor is pointing at the "08 AM" dropdown. The "Fleet:" dropdown is set to "All Vehicles" and the "Vehicle:" dropdown is set to "Entire Fleet". The "Format:" dropdown is set to "PDF", with a note "Suggested Page Format: Portrait." below it. At the bottom of the form are three buttons: "Preview", "Schedule Report", and "View Scheduled Reports". Below the form is a section labeled "Report Description:".

This option allows user to generate a report based on one of either Ignition, Tractor Power or PTO. The available mandatory inputs include selecting a date & time range, the fleet or a particular vehicle within a felt as well as a format for displaying the reports. The options for displaying & saving the report(s) include PDF, Excel or Word.

## 2. Trip Summary Totals Report per Organization

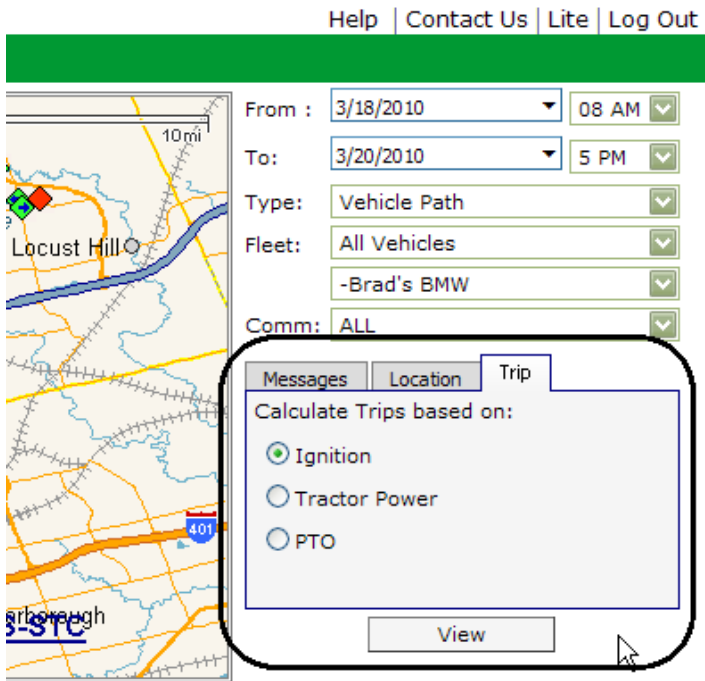
The screenshot shows a web-based form for generating a report. At the top, there is a dropdown menu labeled 'Report:' with 'Trip Summary Totals Report per Organization' selected. Below this is a section 'Calculate Trips based on:' with three radio button options: 'Ignition' (selected), 'Tractor Power', and 'PTO'. The next section is for date and time ranges. It has two columns: 'From' and 'To'. Each column has a 'Day' dropdown (showing '03/18/2010' and '03/20/2010' respectively) and a 'Time' dropdown (showing '08 AM' and '6 PM' respectively). Below the date/time section is a 'Format:' dropdown with 'PDF' selected, and a note 'Suggested Page Format: Portrait.' At the bottom of the form are three buttons: 'Preview', 'Schedule Report', and 'View Scheduled Reports'. Below the buttons is a section labeled 'Report Description:'.

This option allows user to generate a report based on one of either Ignition, Tractor Power or PTO. The available mandatory inputs include selecting a date & time range and a format for displaying the reports. The options for displaying & saving the report(s) include PDF, Excel or Word.

This *Trip Summary Totals Report per Organization* report differs from the *Trip Summary Totals Report per Vehicle* report in that in the former the report is generated for the entire organization where as for the latter report it is possible to select individual reports based on either fleet(s) or vehicle(s).

## Options to see trip information on history screen

Help | Contact Us | Lite | Log Out



From : 3/18/2010 08 AM

To : 3/20/2010 5 PM

Type: Vehicle Path

Fleet: All Vehicles

-Brad's BMW

Comm: ALL

Messages Location **Trip**

Calculate Trips based on:

☒ Ignition

☐ Tractor Power

☐ PTO

View

There is a new sub-tab added for Trip in the History screen. Calculations based on [x]Ignition, [x]Tractor Power and [x]PTO are provided for ease of use. In previous releases these options were confined to the Reports subsection of the website.

### Usability

#### 1. Select a date and time range

From : 3/23/2010 08 AM

To : 3/25/2010 12 PM

In this case selected from **03/23/2010 8AM** to **03/25/2010 12PM**

#### 2. Select the Type from the pull down menu

Type: Vehicle Path

Fleet: Vehicle Path

Stop and Idle Sequence



Stop Sequence

Idle Sequence

Comm: Trip Report


In this case selected **Vehicle Path**

3. Select an individual vehicle from a Fleet or All Vehicles in Fleet

Fleet:    
 

In this case selected **All Vehicles** from the Fleet and then selected Vehicle **102**

4. **OPTIONAL:** From the **Comm** pull down menu select the communication medium

Comm:    
  
Message:

This is an optional selection but usually select **All**

5. Click the Trip tab

Choose one of

[x] Ignition

[x] Tractor Power

[x] PTO

Messages Location Trip

Calculate Trips based on:

☒ Ignition

☐ Tractor Power

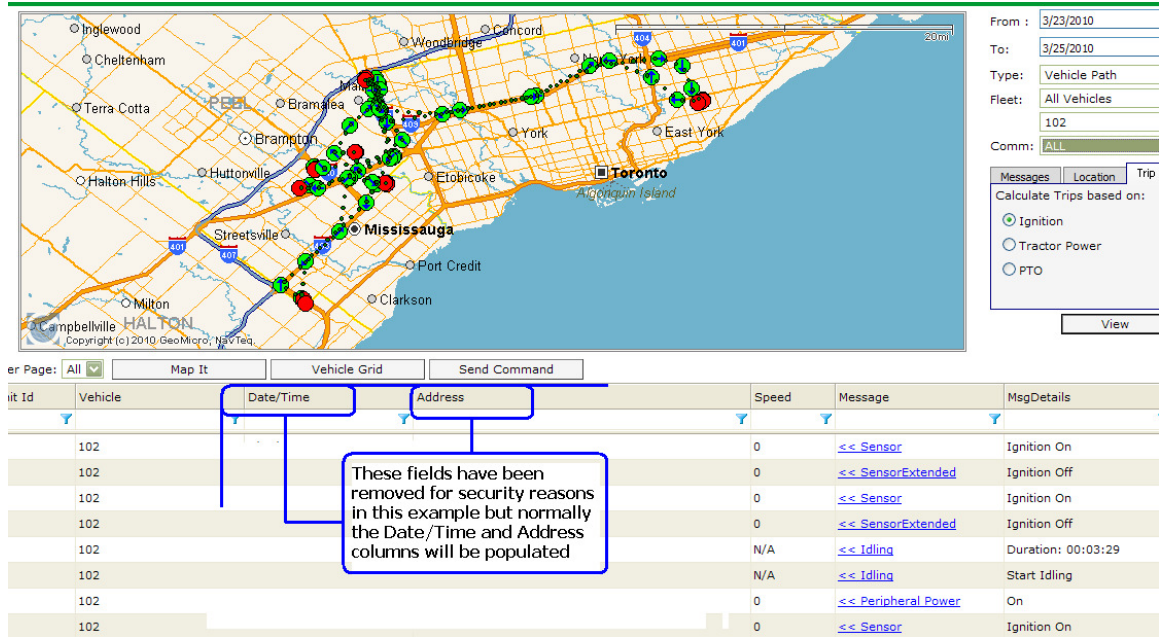
☐ PTO

View

6. Click the View button

**Note:** *if there is no data for the selected date, time range or if there are no trips based on the selected criteria then no results will be displayed.*

## Results



## ***PTO display on Maps***

New in this release is how PTO is displayed on the map screen. When PTO is switched on or off it prints a blue dot on the map display screen.

The screenshot shows the BSM Wireless software interface. At the top is a menu bar with options: Home, Map, History, Maintenance, Messages, Landmarks & Geozones, Reports, HOS, Administration, and User Preferences. The main window displays a map of a street intersection with a blue dot labeled 'Rue Vigneault' highlighted by a green rectangle. To the right of the map is a sidebar with filters for 'From', 'To', 'Type', 'Fleet', and 'Comm'. Below the map is a table with columns: Unit Id, Vehicle, Date/Time, Address, Speed, Message, and MsgDetails. The table shows three messages related to PTO status.

Unit Id	Vehicle	Date/Time	Address	Speed	Message	MsgDetails
				0	<< Sensor	Highrail Down
				0	<< Sensor	PTO On
				0	<< SensorExtended	Ignition Off

## **Usability**

On the Map screen there is a new column titled ***PTO***.

Armed	Status	PTO	History
<input type="checkbox"/>	Ignition On	<input type="checkbox"/>	History
<input type="checkbox"/>	Parked	<input checked="" type="checkbox"/>	History
<input type="checkbox"/>	Parked	<input type="checkbox"/>	History
<input type="checkbox"/>	Parked	<input type="checkbox"/>	History
<input type="checkbox"/>	Parked	<input type="checkbox"/>	History
<input type="checkbox"/>	Parked	<input type="checkbox"/>	History
<input type="checkbox"/>	Parked	<input type="checkbox"/>	History
<input type="checkbox"/>	PowerSave	<input type="checkbox"/>	History
<input type="checkbox"/>	Parked	<input type="checkbox"/>	History
<input type="checkbox"/>	Parked	<input type="checkbox"/>	History
<input type="checkbox"/>	Parked*	<input type="checkbox"/>	History

In order to map a PTO equipped vehicle, scroll down the list of vehicles in the fleet and look at the PTO check box in the PTO column. Once found, click on the History button next to it.

The screenshot shows a web-based fleet management application. At the top is a navigation bar with links: History, Maintenance, Messages, Landmarks & Geozones, Reports, HOS, Administration, User Preferences, Help, Contact Us, and Log Out. The main area is divided into two sections. The left section displays a map of Quebec with various locations marked. The right section contains a search and filter panel with fields for From, To, Type, Fleet, and Comm. Below this is a 'Messages' tab with a 'View' button. A callout box points to the 'View' button with the text 'Click the View button'. Another callout box points to the 'Vehicle', 'Date/Time', and 'Address' columns of the message list with the text 'These fields have been removed for security reasons but normally the Vehicle, Date/Time and Address columns are populated with relevant data.' The message list table is as follows:

Speed	Message	MsgDetails	Ack
0	<< Sensor	Highrail Down	
0	<< Sensor	PTO On	
0	<< SensorExtended	Ignition Off	
N/A	<< Idling	Duration: 00:35:11	
-----	<< IPUpdate		
N/A	<< Idling	Start Idling	