

New Features in this release v3.0.1

These features are designed to enhance the usability and functionality of the SentinelFM website.

This release includes new feature such as updated messaging screen with Garmin support, improved DTC readability and Maintenance notifications for fleets. New reports have also been added.

Improved DTC codes readability

If a vehicle sends a fault code multiple times, the code will be reported along with a count of the number of times it has been reported and the last time it was reported.

The interface has also been improved so that the English translation of the fault code (when available) is shown alongside the code and the user does not have to click on the code and display a pop-up window in order to get information on the code.

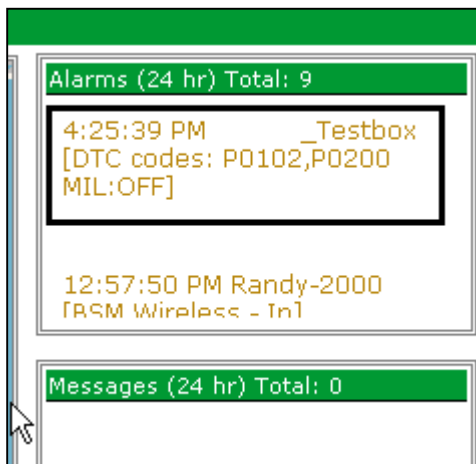


Figure 1 - Alarms window

You can click on the message to see details and click "close all alarms" to acknowledge the notification.

Garmin Messages Screen

The Garmin handheld has functionality to send and receive messages to/from the SentinelFM website. The messages are transmitted in real time and are usually available instantly.

In cases where the cellular network coverage is poor or if the Garmin device is disconnected from the SFM 2000, any incoming and/or outgoing messages will be saved and sent out when the connection has been reestablished.

Send messages from site

Once signed in, click on Messages

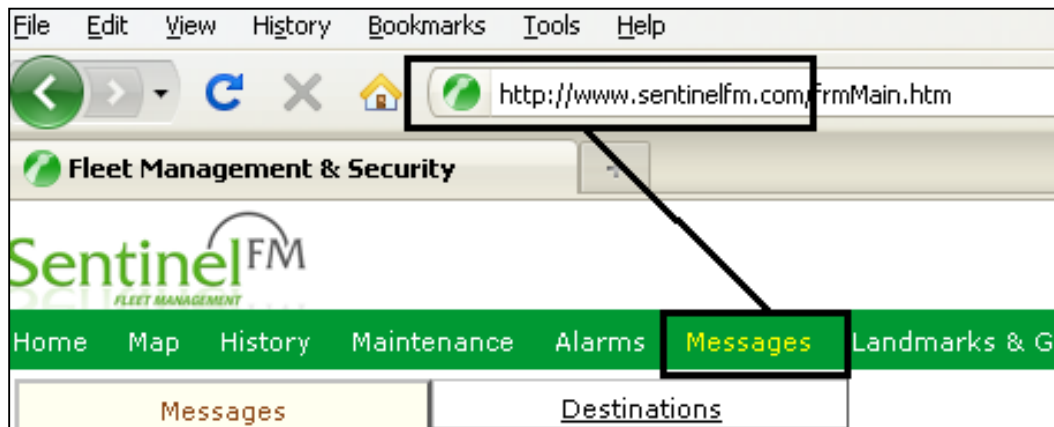


Figure 2- Go to this website

This is the overall window as it looks like on your web browser.

Sentinel FM
FLEET MANAGEMENT

Home Map History Maintenance Alarms **Messages** Landmarks & Geozones Reports HOS Administration User Preferences

Messages Destinations

From: 08/23/2010 09 PM To: 08/24/2010 10 AM
Fleet: Toronto Vehicle: Entire Fleet
Display: All

Refresh Mark as read
New Text Message

<input type="checkbox"/> Date/Time	Address	From	To	Direct	Message	Status	Ack	Read
There are no rows in this view.								

Loaded 0 of 0

Figure 3- New messaging screen

Sending a message

Click on New Text Message



Figure 4- Send a New Text Message

In the subsequent window that pops up, select the fleet, vehicle and type in the desired message.

When completed hit the Send Message button.

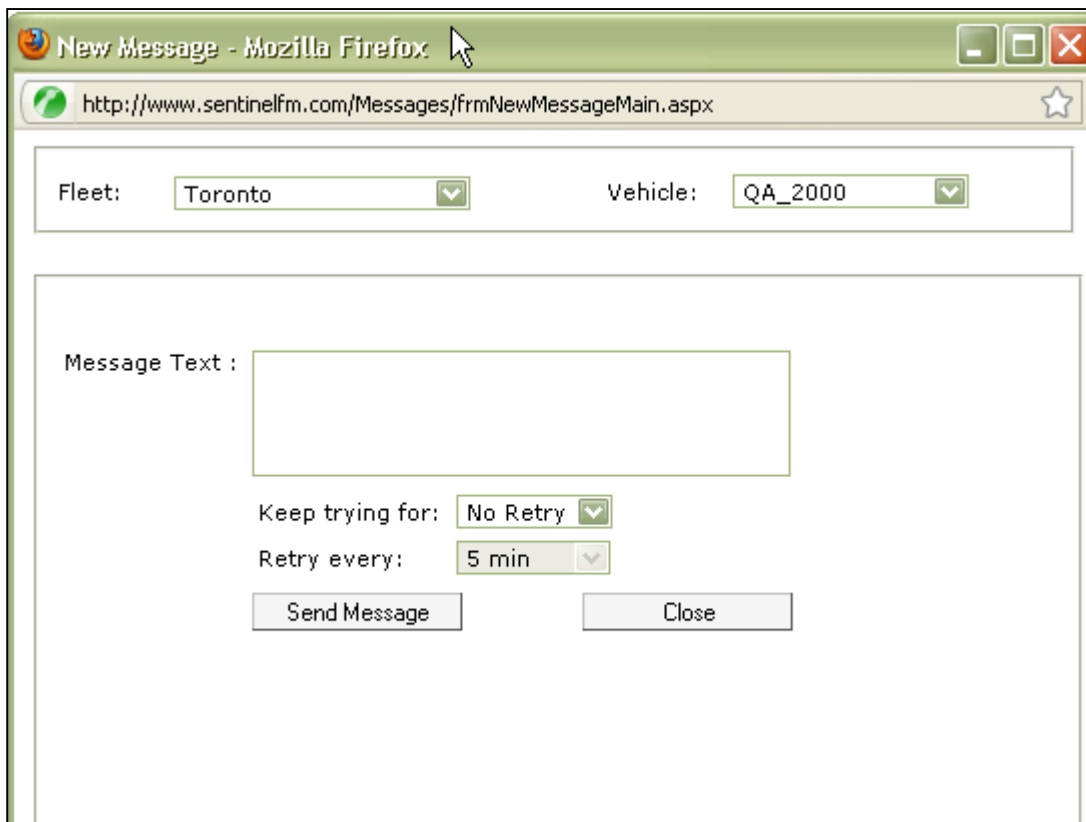
A screenshot of a web browser window titled "New Message - Mozilla Firefox". The address bar shows the URL "http://www.sentinelrm.com/Messages/frmNewMessageMain.aspx". The form contains two dropdown menus: "Fleet:" with "Toronto" selected and "Vehicle:" with "QA_2000" selected. Below these is a large text area labeled "Message Text :". Underneath the text area are two more dropdown menus: "Keep trying for:" with "No Retry" selected and "Retry every:" with "5 min" selected. At the bottom are two buttons: "Send Message" and "Close".

Figure 5- New Garmin messaging window



Notice this pop up window is different from the MDT messaging window

This is the MDT messaging window. Notice the window is different from the Garmin messaging window.

When completed hit the Send Message button.

New Message - Mozilla Firefox

http://www.sentinelrm.com/Messages/frmNewMessageMain.aspx

Fleet: Vehicle:

Message Text :

* Message text and response cannot exceed 230 characters.
* Maximum 4 lines allowed.

Add to Response List

* Each response cannot exceed 40 characters.

Response List :

Remove from Response List

Characters Left **230**

☒ Primary Mode ☐ Dual Communication Mode

Keep trying for:

Retry every:

Send Message Close

Done

Figure 6- MDT messaging window

Receiving a message



An incoming message is displayed on the messages window shown here and also on the Messaging tab subsection on the website.

An incoming message could either be a new message sent from the Garmin handheld or it could be a reply to an original message sent from the site.

In case the message is a new one sent from the Garmin handheld it will be displayed here with the + sign next to it. Clicking on the + sign will do nothing.

If however the incoming message was a reply to an original message sent from the website, clicking on the + sign next to it will open up additional message states including Received, Unread and Sent. Each status has a time stamp associated with it.

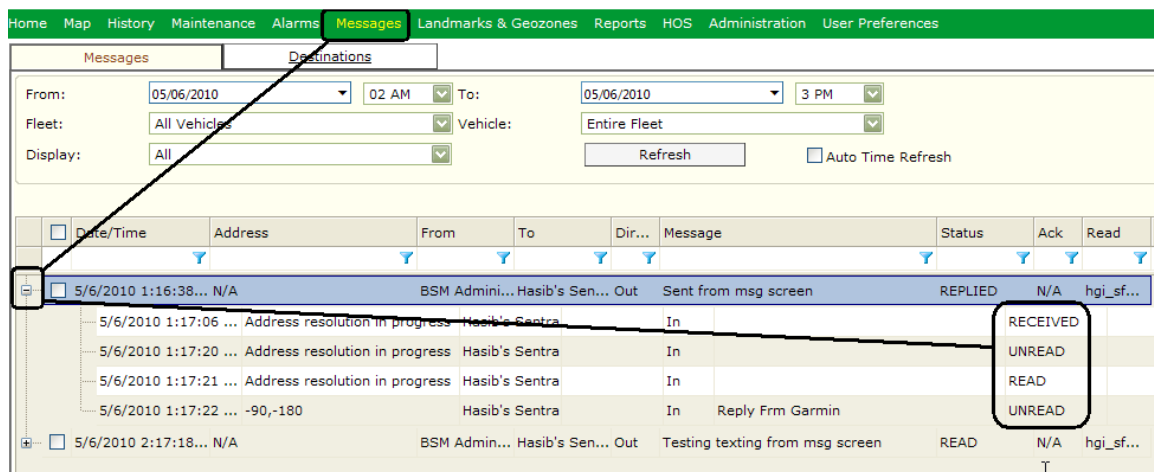


Figure 7- Incoming message screen

It is also possible for users to select all or some messages and mark them as Read.

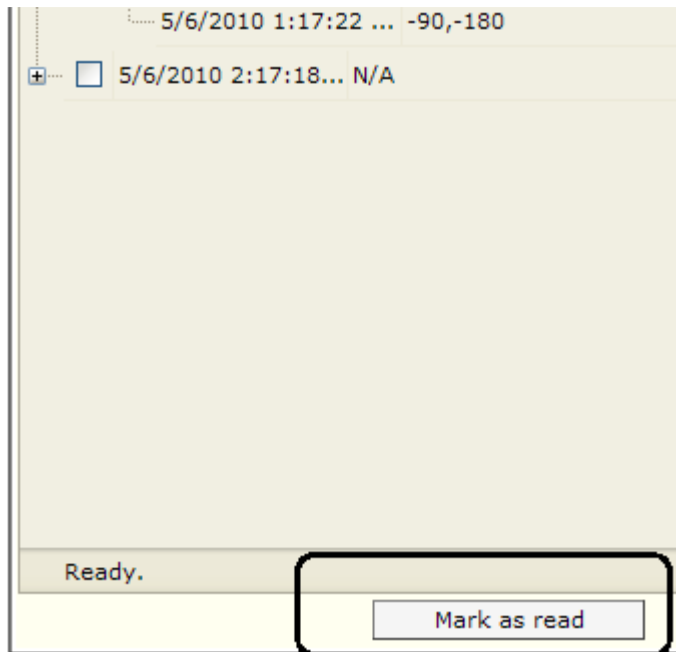


Figure 8- Mark as Read

Garmin Destinations screen

There is a new area on the Messaging screen for sending destinations to the handheld devices from the site.

Once logged into the site go to Messaging → Destinations. Shown below is the overall picture.

SentinelFM
FLEET MANAGEMENT

Home Map History Maintenance Alarms Messages Landmarks & Geozones Reports HOS Administration User Preferences

Messages Destinations

From: 8/20/2010 09 PM To: 08/24/2010 10 AM
Fleet: Toronto Vehicle: Entire Fleet
Display: All

View Destination Messages New Destination

<input type="checkbox"/> Date/Time	From	To	Location	Message	Status	Ack	Read
There are no rows in this view.							

Loaded 0 of 0

Figure 9- Destinations window

Click on “New Destination” button to send destination to Garmin.

New Destination

Figure 10- Destination button

This is the subsequent window that pops up when the **New Destination** button is clicked.

You can send new destination based on: Address, Coordinates or existing Landmark.

Send location to Garmin - Windows Internet Explorer

http://go.wexsmart.com/wexnew/Messages/frmNewLocation.aspx?boxId=0

☒ By Street Address ☐ By Coordinates ☐ By Landmark

Street:

City:

State (Prov):

Country :
USA
Canada

Find Location

Message:

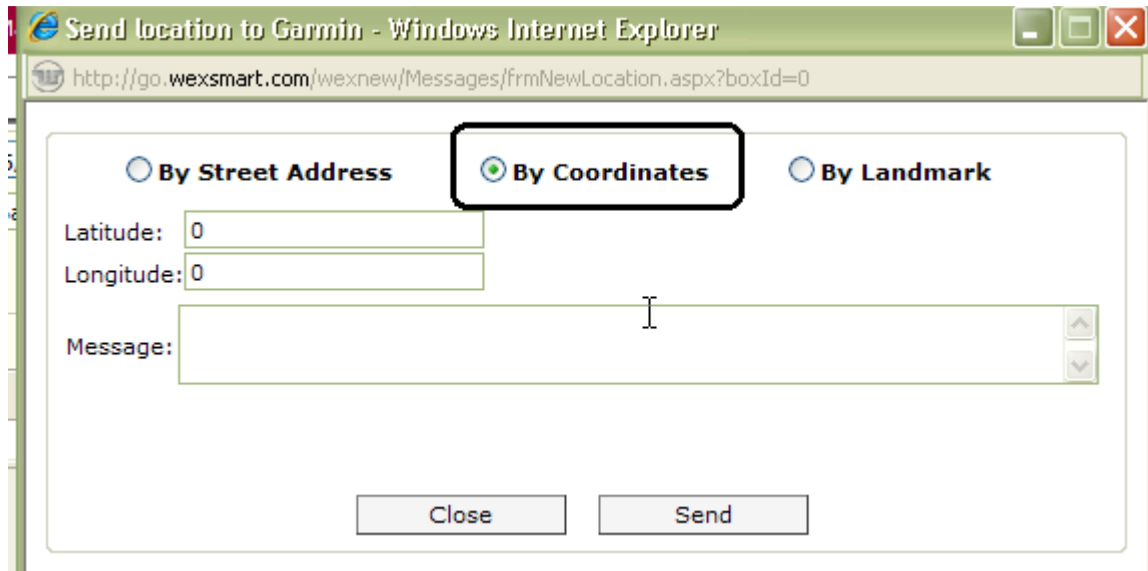
Close Send

Figure 11- Send destination by different methods

Type in a valid street address, city, province or state and select your country. Type in the desired destination message in the Message body and hit the **Send** button.

Optional: to validate the entered street address click the Find Location button. This is not necessary for sending a destination message to handheld device.

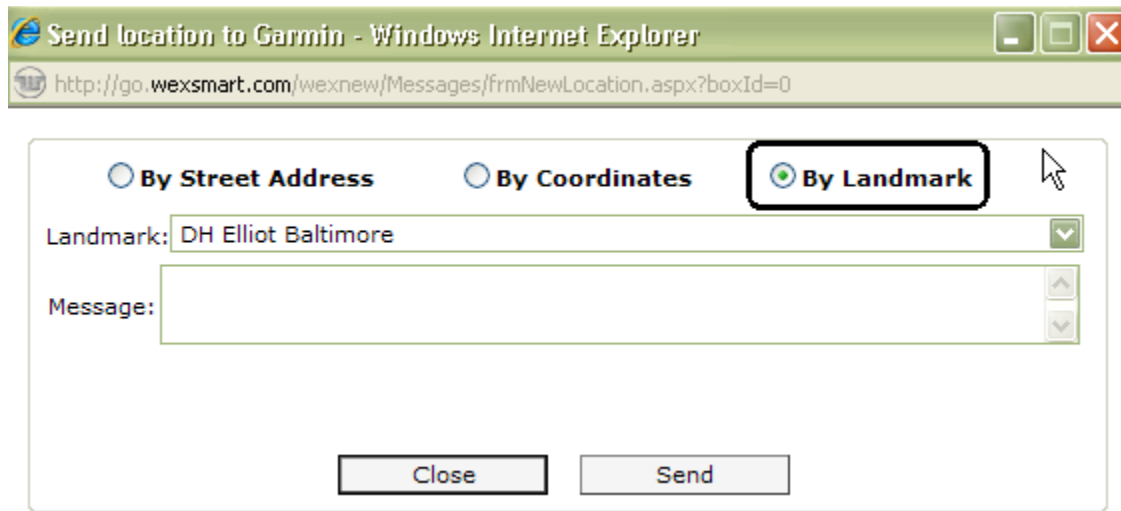
In this case send a destination by entering the coordinates. Type in the destination in the Message body and hit the **Send** button.



The screenshot shows a web browser window titled "Send location to Garmin - Windows Internet Explorer". The address bar displays "http://go.wexsmart.com/wexnew/Messages/frmNewLocation.aspx?boxId=0". The form contains three radio buttons: "By Street Address", "By Coordinates" (which is selected and highlighted with a black box), and "By Landmark". Below the radio buttons are two input fields: "Latitude:" with the value "0" and "Longitude:" with the value "0". A large text area labeled "Message:" is positioned below these fields, with a cursor inside. At the bottom of the form are two buttons: "Close" and "Send".

Figure 12- Send destination by coordinates

Here select an existing landmark from the pull down menu, type in the message and hit the **Send** button.



The screenshot shows the same web browser window. The radio button "By Landmark" is now selected and highlighted with a black box. The "Landmark:" field is a dropdown menu showing the selected value "DH Elliot Baltimore". The "Message:" text area is empty. The "Close" and "Send" buttons remain at the bottom.

Figure 13- Send destination by landmark

DTC Notifications

DTC notifications have been moved to Maintenance section under their own tab with the same title. Clicking on the DTC Notifications tab will bring a new window as shown.

This is the overall window as it appears on your web browser.

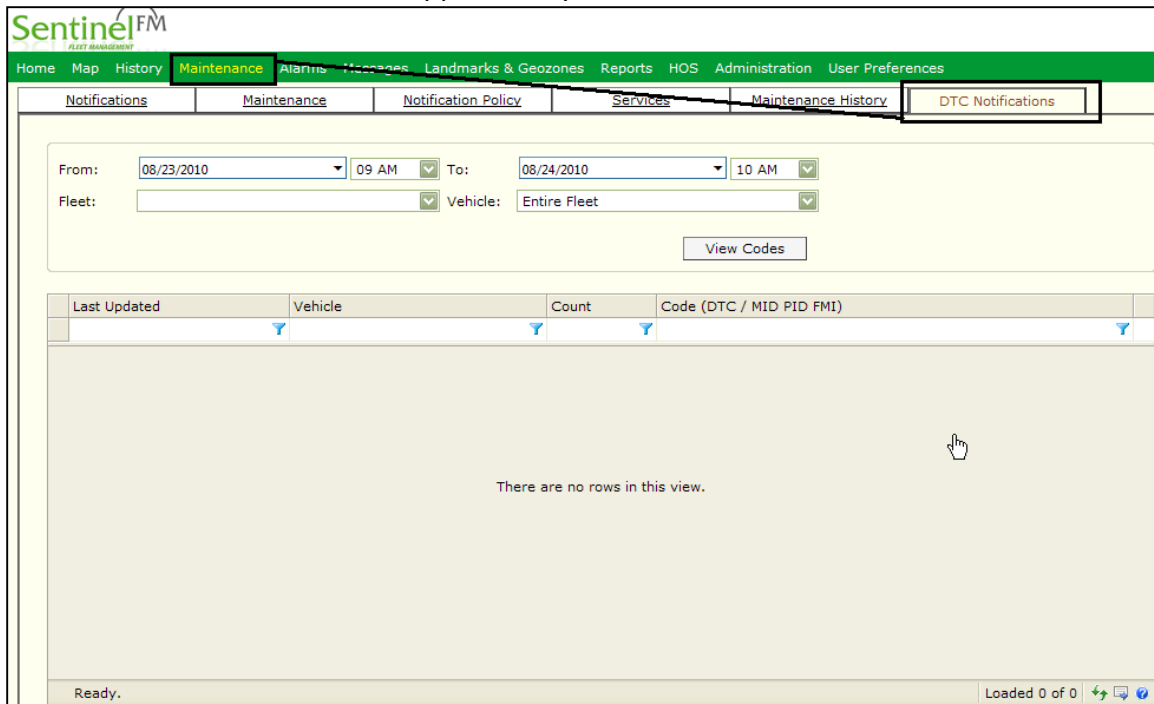


Figure 14- New DTC Notifications area on SentinelFM

Select a time and date range and then click the View Codes button to see all the codes in this time frame. Once a code is visible it is possible to select it and either accept it or close it.

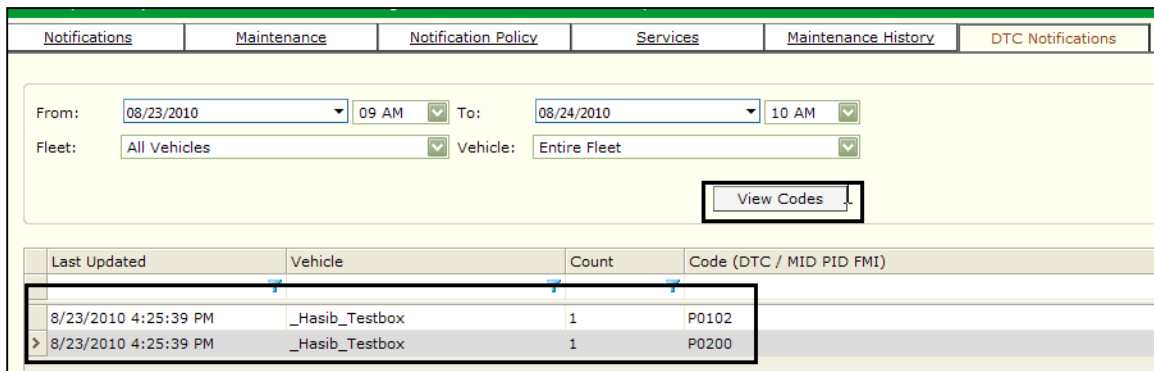


Figure 15- View Codes in DTC Notifications

Maintenance notifications for entire Fleet

Sentinel now has a feature allowing customers to set up notifications when entire fleet(s) is/are due for maintenance. Previously this functionality was only available on a per vehicle basis.

This is the overall window as it appears on your web browser.

Vehicle	Odometer (Km)	Engine Hours
Carlito (VW Golf GPRS)	769	182.32
Box -9270	5587	360.22
QA_Gen6	114	606.6
_Hasib_Testbox	753	190.8
Frank (BMW 550i GPRS)	22966	427.68
-Brad's Rapid Install	12295	202.33
Box 10000	1	15.45
Randy-2000	18952	436.73
Jay	40	5.83
Arie - 9279	5593871	247.02

Figure 16- Maintenance window

Select a fleet, and vehicles: entire fleet then click on Add New Plan and under Description select it based on Odometer, Engine hours or time based.

Figure 17- Additional options

There are additional options available. Once all options have been selected click save.

Additionally users have the option of exporting the results to various file formats such as PDF, EXCEL, or WORD for further processing such as creating reports etc.

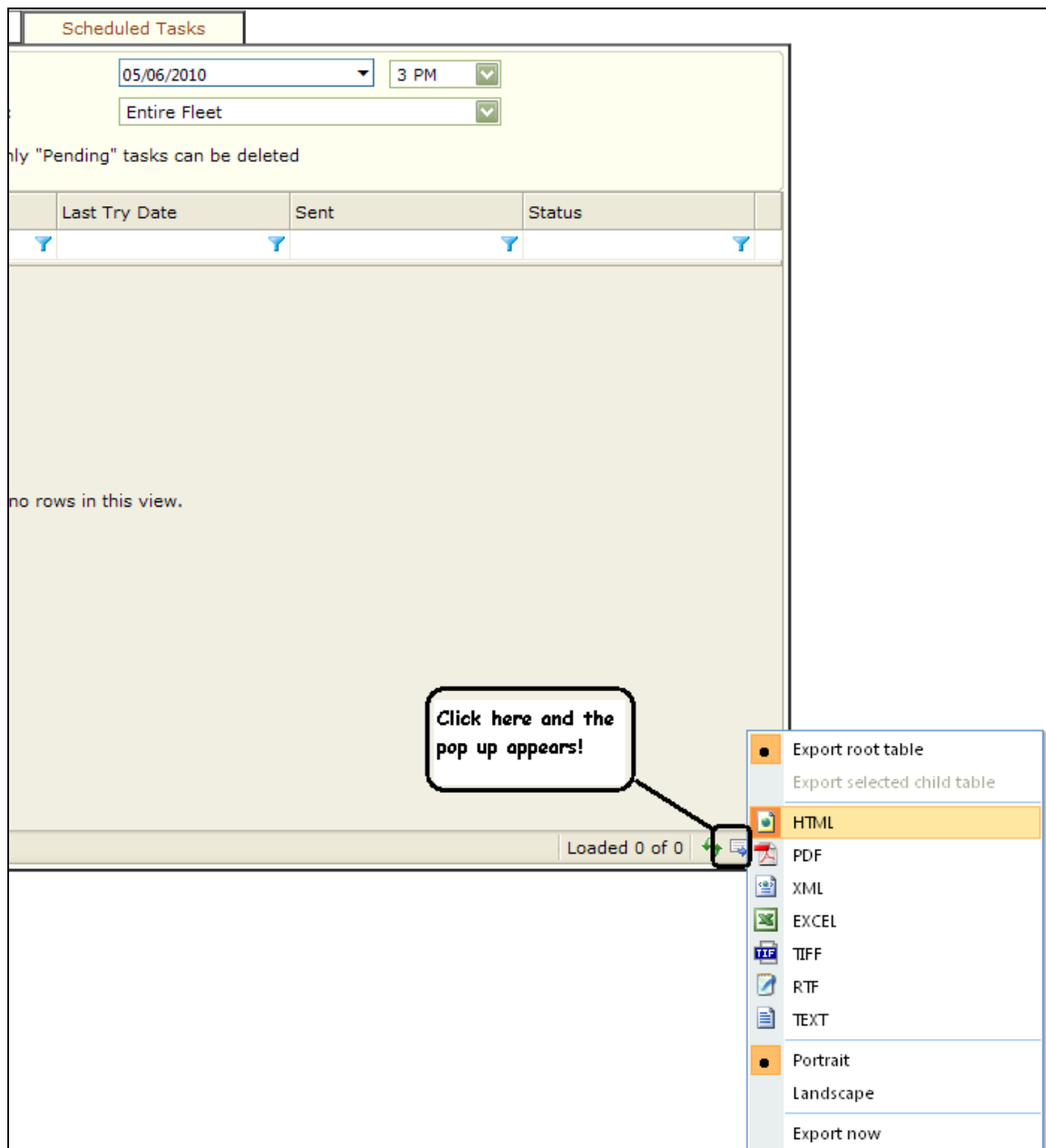


Figure 18- Exporting to various file formats