

Data Grid

A new data grid is in place in the Map, History and Messages Screen.

The data grid allows the user to sort, search and export data to different formats like html, excel, pdf, xml, tiff, rtf and text.

The screenshot shows the 'Map' screen of a fleet management application. The map displays North America with vehicle locations marked by green triangles. The data grid below the map shows a list of vehicles with columns for BoxId, Description, Address, Date/Time, Speed, Armed, Status, and History. The 'Fleet' dropdown is set to 'All Vehicles'. The 'Update Position' button is highlighted. The 'Items per Page' is set to 25. The status bar at the bottom indicates 'Ready'.

BoxId	Description	Address	Date/Time	Speed	Armed	Status	History
3219	BSM_A	Hwy-7 5967, Vaughan,ON	03/13/2008 05:02:50	0 km/h	<input type="checkbox"/>	Ignition ON*	History
1671	1671	Lat=0, lon=0.	01/01/1900 12:00:00	0 km/h	<input type="checkbox"/>	N/A*	History
222	222	5914 RR-7, Vaughan ON	06/07/2006 11:50:39	0 km/h	<input type="checkbox"/>	N/A	History
222222	222222	Hwy 7 , Vaughan, ON, L4L	09/27/2007 05:13:09	0 km/h	<input type="checkbox"/>	N/A	History
3872	3872	Hwy-7 5967, Vaughan,ON	03/20/2008 03:30:02	0 km/h	<input type="checkbox"/>	Power Save	History

Sorting

The sort feature sorts each column in either ascending or descending order. Clicking on the column name sorts the column in ascending order and clicking once again on the column name sorts the column in descending order. The screenshot below displays the BoxID (first column) sorted in ascending order.

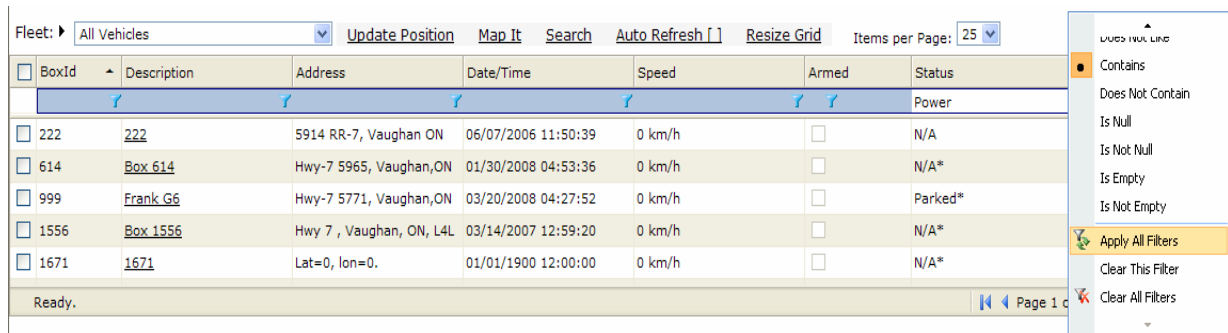
The screenshot shows the 'Map' screen with the data grid sorted by BoxID in ascending order. The 'Fleet' dropdown is set to 'All Vehicles'. The 'Update Position' button is highlighted. The 'Items per Page' is set to 25. The status bar at the bottom indicates 'Ready'.

BoxId	Description	Address	Date/Time	Speed	Armed	Status	History
222	222	5914 RR-7, Vaughan ON	06/07/2006 11:50:39	0 km/h	<input type="checkbox"/>	N/A	History
614	Box 614	Hwy-7 5965, Vaughan,ON	01/30/2008 04:53:36	0 km/h	<input type="checkbox"/>	N/A*	History
999	Frank G6	Hwy-7 5771, Vaughan,ON	03/20/2008 04:27:52	0 km/h	<input type="checkbox"/>	Parked*	History
1556	Box 1556	Hwy 7 , Vaughan, ON, L4L	03/14/2007 12:59:20	0 km/h	<input type="checkbox"/>	N/A*	History
1671	1671	Lat=0, lon=0.	01/01/1900 12:00:00	0 km/h	<input type="checkbox"/>	N/A*	History

Searching

This feature allows the user to search for a particular box based on boxid but this feature is more useful to list out all the boxes depicting the same criteria.

For example, consider a situation to list out all boxes with the Status – Power Save in the map screen.




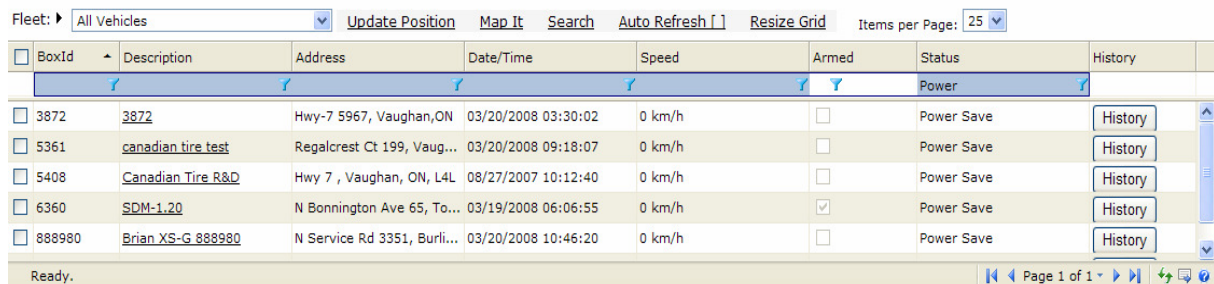
The screenshot shows a web application interface for vehicle tracking. At the top, there's a 'Fleet' dropdown set to 'All Vehicles', and buttons for 'Update Position', 'Map It', 'Search', 'Auto Refresh', and 'Resize Grid'. The 'Items per Page' is set to 25. Below this is a table with columns: BoxId, Description, Address, Date/Time, Speed, Armed, and Status. A search filter 'Power' is applied to the Status column, indicated by a magnifying glass icon. The table shows several rows of vehicle data. A sidebar on the right contains a filter menu with options like 'Contains', 'Does Not Contain', 'Is Null', 'Is Not Null', 'Is Empty', 'Is Not Empty', 'Apply All Filters', 'Clear This Filter', and 'Clear All Filters'.

BoxId	Description	Address	Date/Time	Speed	Armed	Status
222	222	5914 RR-7, Vaughan ON	06/07/2006 11:50:39	0 km/h	<input type="checkbox"/>	N/A
614	Box 614	Hwy-7 5965, Vaughan, ON	01/30/2008 04:53:36	0 km/h	<input type="checkbox"/>	N/A*
999	Frank G6	Hwy-7 5771, Vaughan, ON	03/20/2008 04:27:52	0 km/h	<input type="checkbox"/>	Parked*
1556	Box 1556	Hwy 7 , Vaughan, ON, L4L	03/14/2007 12:59:20	0 km/h	<input type="checkbox"/>	N/A*
1671	1671	Lat=0, Lon=0.	01/01/1900 12:00:00	0 km/h	<input type="checkbox"/>	N/A*

The first step will be to determine which column displays 'Power Save'

In this example the column of interest is 'Status' and the search keyword is Power Save.

The search keyword can be input by clicking on the row below the column name and press enter. An icon  will appear next to the keyword. Clicking on the icon gives a number of options to search. After selecting an option make sure to click on Apply All Filters. The below screenshot displays all boxes with status power save.




This screenshot shows the same interface as the previous one, but with the search filter changed to 'Power Save'. The table now displays a list of vehicles with status 'Power Save'. Each row has a 'History' button next to it. The sidebar on the right is also visible.

BoxId	Description	Address	Date/Time	Speed	Armed	Status	History
3872	3872	Hwy-7 5967, Vaughan, ON	03/20/2008 03:30:02	0 km/h	<input type="checkbox"/>	Power Save	History
5361	canadian tire test	Regalcrest Ct 199, Vaug...	03/20/2008 09:18:07	0 km/h	<input type="checkbox"/>	Power Save	History
5408	Canadian Tire R&D	Hwy 7 , Vaughan, ON, L4L	08/27/2007 10:12:40	0 km/h	<input type="checkbox"/>	Power Save	History
6360	SDM-1.20	N Bonnington Ave 65, To...	03/19/2008 06:06:55	0 km/h	<input checked="" type="checkbox"/>	Power Save	History
888980	Brian XS-G 888980	N Service Rd 3351, Burli...	03/20/2008 10:46:20	0 km/h	<input type="checkbox"/>	Power Save	History

This feature can be used to effectively to search for a particular message in the History screen and also in the Messages screen.

Exporting

After sorting and searching, the user has the option to export the data to a particular format if required. There is an export grid button  at the bottom of the data grid.

Fleet: ▾ All Vehicles

Update Position

Map It

Search

Auto Refresh []

Resize Grid

Items per Page: 25 ▾

<input type="checkbox"/> BoxId	Description	Address	Date/Time	Speed	Armed	Status
<input type="checkbox"/> 3219	_BSM_A	Hwy-7 5967, Vaughan,ON	03/13/2008 05:02:50	0 km/h	<input type="checkbox"/>	Ignition ON*
<input type="checkbox"/> 1671	1671	Lat=0, lon=0.	01/01/1900 12:00:00	0 km/h	<input type="checkbox"/>	N/A*
<input type="checkbox"/> 222	222	5914 RR-7, Vaughan ON	06/07/2006 11:50:39	0 km/h	<input type="checkbox"/>	N/A
<input type="checkbox"/> 222222	222222	Hwy 7 , Vaughan, ON, L4L	09/27/2007 05:13:09	0 km/h	<input type="checkbox"/>	N/A
<input type="checkbox"/> 3872	3872	Hwy-7 5967, Vaughan,ON	03/20/2008 03:30:02	0 km/h	<input type="checkbox"/>	Power Save
Ready.						

PDF

XML

EXCEL

TIFF

RTF

TEXT

Portrait

Landscape

Export now

The data will be automatically exported to the chosen format and the number of rows to be exported depends on the selection chosen for 'Items per Page' which is displayed just above the data grid.

Calendar

A new calendar is implemented to choose the date range in the history screen. It has a convenient drop down list to choose the date or to manually type the date in the field.

March ▾		2008 ▾				
Sun	Mon	Tue	Wed	Thu	Fri	Sat
24	25	26	27	28	29	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5
Today is Thu, 20 Mar 2008						

Messages – Alarms

There is a new addition to the Messages Screen – option to view alarms.

The Alarms screen gives the user the ability to view alarms, accept alarms and close alarms. If an alarm is accepted or closed the corresponding change takes place in the alarms window on the map screen as well.