



## DQT.NET ALERT SETUP

Subject: .NET Alert Setup

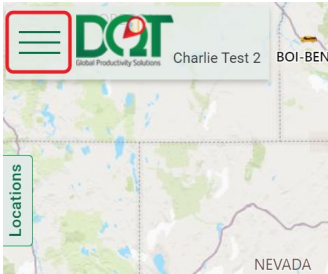
Created: 12/18/2020

Updated: 06/06/2022

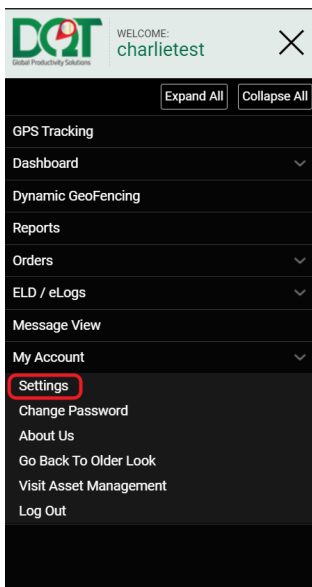
Version: 1.2

## How to Create an Alert

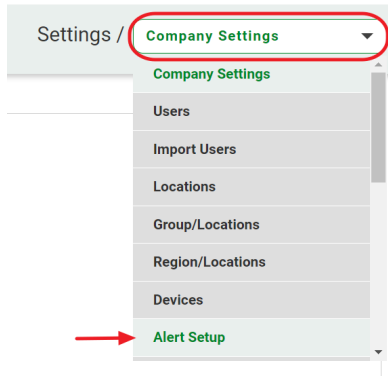
1. Login to DQTech.Net – <https://dqtech.net>  
**NOTE:** Access to create Alerts is based on user permissions.
2. Select the three lines located in the top left-hand corner of the screen.



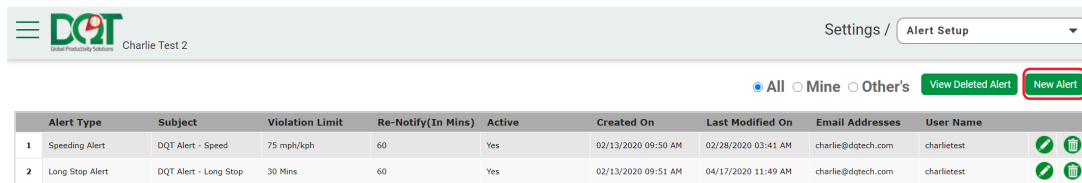
3. Then select Settings.



4. On the right, dropdown Settings and select Alert Setup.

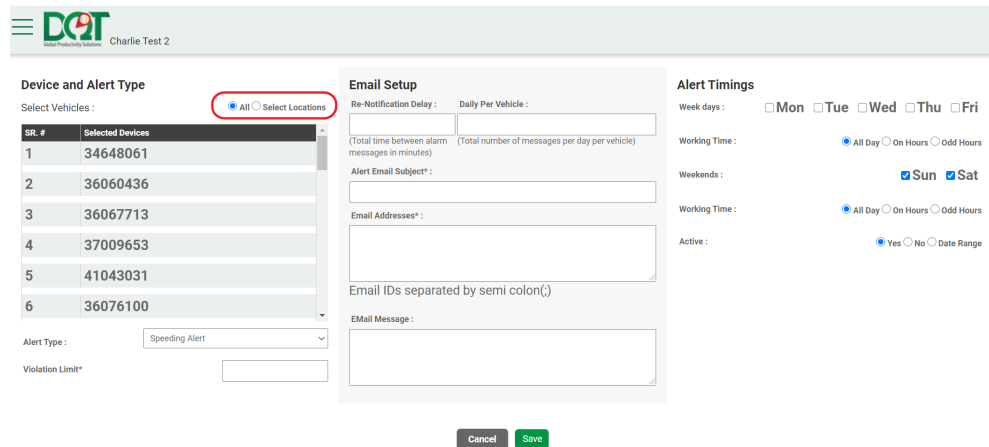


5. Next, select New Alert.



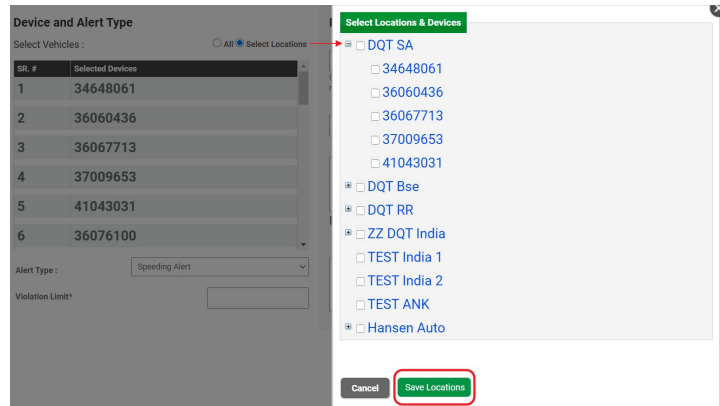
6. Create your Alert.

a. First you will need to select the devices you want to receive the alerts for. You can either select all locations or individual locations.



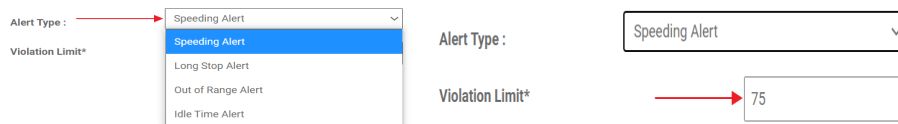


If you choose select locations, from here you can choose which locations and/or which devices you want to receive notifications for. To do so, you can either select each box next to the location name or expand the location and then select the box next to each individual device. Once your devices are selected, you will want to select save locations.



b. Next, you will need to select your Alert Type & Violation Limit.

- i. Speeding Alert
  - Set alert by a certain speed
- ii. Long Stop Alert
  - Set alert by minutes stopped
- iii. Out of Range Alert
  - Alert set for areas of vehicle operation – see not at end of documentation
- iv. Idle Time Alert
  - Set alert by minutes idle



**NOTE:** Anything above the violation limit is when you will be alerted.



- c. Enter your email preferences under Email Setup. All fields below are required.
  - i. Re-Notification Delay
    - Future notification emails will not be sent until the number of minutes entered into the re-notification delay field have passed from the most recent message.
  - ii. Daily Per Vehicle
    - Number of messages received per day per vehicle
  - iii. Alert Email Subject
    - What appears in the subject line of alert email
  - iv. Email Addresses
    - Email addresses to receive alert email
  - v. Email Message
    - Message that is included in body of alert email

A screenshot of a web form titled "Email Setup". The form contains several input fields, each with a red circle around its label. The labels are: "Re-Notification Delay:" (with a sub-label "(Total time between alarm messages in minutes)"), "Daily Per Vehicle:" (with a sub-label "(Total number of messages per day per vehicle)"), "Alert Email Subject\*:", "Email Addresses\*:", and "Email Message". The "Email Addresses\*" field has a sub-label "Email IDs separated by semi colon(;)" below it. At the bottom of the form are two buttons: "Cancel" and "Save".



d. Lastly, indicate what time periods you want the alerts to happen when a violation occurs.

- i. Week days/Weekends
  - Choose days of the week for the alert to be active
  - Choose start and end time for the alert to be active
- ii. Working Time
  - All day – ignores start and end time and will send alerts as they happen
  - On Hours – will only send alerts during the start and end time
  - Odd Hours – will only send alerts during odd hours
- iii. Active
  - Yes – Alert is Active
  - No – Alert is not Active
  - Date Range – Alert will only be active for date range entered

**Alert Timings**

**Week days :**  Mon  Tue  Wed  Thu  Fri

**Working Time :**  All Day  On Hours  Odd Hours

Start Time : 01 : 00 AM End Time : 01 : 00 AM

**Weekends :**  Sun  Sat

**Working Time :**  All Day  On Hours  Odd Hours

Start Time : 01 : 00 AM End Time : 01 : 00 AM

**Active :**  Yes  No  Date Range

Form: Dec-22-2020 To: Dec-22-2020

7. Once you have the alert details entered, select save to create the alert in DQTech.Net.

**Device and Alert Type**

Select Vehicles :  All  Select Locations

SR. #	Selected Devices
1	34648061
2	36060436
3	36067713
4	37009653
5	41043031
6	36076100

Alert Type : Speeding Alert

Violation Limit\* : 75

**Email Setup**

Re-Notification Delay : 60 Daily Per Vehicle : 5

(Total time between alarm messages in minutes) (Total number of messages per day per vehicle)

Alert Email Subject\* : Speeding Alert - Above 75 MPH

Email Addresses\* : support@dqtech.com

Email IDs separated by semi colon(,)

Email Message : Speeding

**Alert Timings**

Week days :  Mon  Tue  Wed  Thu  Fri

Working Time :  All Day  On Hours  Odd Hours

Start Time : 06 : 00 AM End Time : 08 : 00 PM

Weekends :  Sun  Sat

Working Time :  All Day  On Hours  Odd Hours

Start Time : 06 : 00 AM End Time : 08 : 00 PM

Active :  Yes  No  Date Range

Cancel Save



Driver behavior is a similar setup in that you define what threshold you want to trigger the alert for each of the 3 driver behavior events.

A screenshot of a web interface titled 'Alert Settings'. Under the 'Alert' section, a dropdown menu is set to 'Driver Behavior Event Alert'. Below this, there are three input fields: 'Hard Accelerating:', 'Harsh Turn:', and 'Hard Brake:'. Each of these fields contains the number '400'.

The events are measure in terms of milli-g force. So in the above screenshot, all 3 would trigger a notification when the measure is 400 milli-g's.

The devices can be configured with 1 of 3 different physics options (by default all devices are configured with the Heavy truck option):

- Heavy/Truck:
  - ACCEL\_CONFIG=20.200.250.300.1000.50;
- Medium/Pickup(MP):
  - ACCEL\_CONFIG=20.300.325.400.1000.50;
- Light/Car(CP):
  - ACCEL\_CONFIG=20.400.400.500.1000.50;

It can be a little complicated to follow but For the Array entries for each option the numbers reference the following (the number listed are specifically related to the Heavy truck):

- 20: kmh: do not record any events where the speed is less than this threshold (prevents lots of spurious events pulling out at junctions). Recommended setting is between 10km/h and 20km/h.
- 200: milli-gs acceleration to trip an ACCEL event
- 250: milli-gs acceleration to trip a DECEL event
- 300: milli-gs acceleration to trip a HARSH\_TURN event
- 1000: milli-gs acceleration to trip a LARGE\_G event (crash detection) (this has been found to be a good value to avoid false detections while capturing most severe events).
- 50: milli-gs acceleration to trip a TILT event (something like a roll over)

In simple terms, the above number will generate a driver behavior event which are be visible via the various driver behavior reporting. And then (per the above screenshot) alerts will be triggered when the behavior event registers 400 or greater for any of the 3.



The setup for who receives these events is handled via the Asset Management website under the Customize > Location Contacts. Users you want to receive these event notifications should be set up and be set to receive the **Speed Limit Violation** and **Driver Behavior Events** under the **Contact Mail Type**.

The screenshot shows the 'Location Level Contact' page in the Asset Management system. The top navigation bar includes 'ASSETS', 'WORK ORDERS', 'DRIVERS', 'CUSTOMIZE', and 'REPORTS'. A red arrow points to the 'CUSTOMIZE' menu item. The page title is 'Location Level Contact' with the subtitle 'Manage your Contacts'. The form contains several fields: 'First Name', 'Last Name', 'Email', 'Location' (a dropdown menu), 'Home Phone', 'Business Phone', and 'Notes'. A 'Contact Mail Type' dropdown menu is open, showing a list of options: 'DWR', 'Delivery Assessment', 'Driver Risk', 'Speed Limit Violation' (highlighted in yellow), 'Driver Behavior Event', 'Approaching/Past Due PMTs', 'Approaching/Past Due Inspections', 'Return Delivery Request', 'DTC codes', and 'Incident Report'. A 'Save' button is located at the bottom right of the form. Below the form is a search bar and a table with columns for 'Mobile Number', 'Location', 'Email', and 'Mail Type'.