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Alarms in OneView

Alarms are an excellent way for users to know what is happening with their assets or drivers without having to log into OneView. An alarm can alert the user of changing conditions through email and/or text message.

Types of Alarms

The list below has the predefined alarms users can set up for their assets. The alarms available to users are based on the asset categories they monitor. See the Appendix for descriptions of each alarm. (Some alarms are permission only)

<table>
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<th>Vehicle Alarms</th>
<th>Mobile Alarms</th>
<th>Driver Alarms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acceleration</td>
<td>Backup Battery Low</td>
<td>HOS Violation</td>
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<tr>
<td>Accident Detected</td>
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<td>HOS Violation (Confirmed)</td>
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<td>Backup Battery Low</td>
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<td>Deceleration</td>
<td>High Level Status</td>
<td>Inspection Failure</td>
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<tr>
<td>Device Disconnected</td>
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<td>High Speeding (&gt;10mph for 1m+)</td>
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<tr>
<td>Count</td>
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<tr>
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<td></td>
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<tr>
<td>Landmark Exit</td>
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<td>Landmark Visit</td>
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<tr>
<td>Long Idle</td>
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<td>PTO1 High RPM</td>
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<td>PTO2 High RPM</td>
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<td>Tire Fast Leak</td>
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<tr>
<td>Tire High Temperature</td>
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<td>Tire Lost Signal</td>
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<td>Tire Pressure Out of Range</td>
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<td></td>
</tr>
<tr>
<td>Vehicle Off Line</td>
<td></td>
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</tr>
</tbody>
</table>

| Tanksite Alarms                      |                                         |                                   |
| Tanksite – Low Volume                |                                         |                                   |
| Tanksite Offline                     |                                         |                                   |

| Tank Alarms                          |                                         |                                   |
| High Usage Rate                      |                                         |                                   |
| High Water %                         |                                         |                                   |
| High Water - value                   |                                         |                                   |
| Low Volume - %                       |                                         |                                   |
| Low Volume - value                   |                                         |                                   |
| Tank Offline                         |                                         |                                   |
| Temperature Out of Range             |                                         |                                   |

Setting up Alarms

There are multiple ways for a user to access the Alarms Configuration screen.

1. Click on the Alarm Bell at the top right corner.
2. Click on Alarm Configurations on the right.
3. Click Create Alarm Configuration

OR

1. Click on the asset that the alarm will be configured for from the menu tree on the left side of OneView. The asset’s detail screen will appear in the right window.
2. Click on the Alarms Config. tab, located across the top of the screen.
3. Click on Configure a New Alarm

4. Click on Create Alarm Configuration
Alarm Configuration

The Create Alarm Configuration pop-up window includes all the fields you will need to set up any of OneView’s alarms.

1. **Alarm Template** – set which alarm you would like to use. See [Types of Alarms](#) on page 1. Click in the blank field and scroll through the list of alarms. Click on the alarm from the list to select.
2. **Alarm Config Name** – this field is customizable and you can name the alarm as needed. *As an example, if you are setting acceleration alarms on different divisions, it may be helpful to name each acceleration alarm with the division that it will be assigned to.*

3. **Severity** – *this lets you choose the severity of the alarm and assign a colored badge to the alert event. For example, an alarm that you choose as Critical, will show a red badge on the asset/driver summary card.*

4. **Alarm Config Description** – this field will default to the name of the alarm, but you can change the description as needed. You can use it to describe the region this alarm is set to, for example. This description will appear on the main alarm configuration page.

5. **Enabled** – keep this box checked.
6. **Assets** – Use the wrench to select assets or drivers for the alarm you are setting. Your asset tree will pop up and you can check the boxes for the regions or individual assets/users for your alarm.

Select Landmark for Alarm:
- Click on the Flag
- Search for landmark in search field
- Or hover over the folder and select landmark from list
7. Conditions – each alarm will have different conditions. If you need to set any of the conditions, you will see fields to enter information or drop-downs to select information for the triggers of the alarm.

8. Notifications – select the option to send notifications to users through email or text. Next add the user(s) who will receive the email or text or both. Select and to send a reminder on a regular time schedule or to escalate the notification after a certain amount of time to another user.
9. Filters – use the filter to add time parameters and/or landmark parameters to the alarm.

10. Workflow - is for creating a maintenance ticket when an alarm sounds. It is not necessary for most alarms. This is great for inspection failure alarms or Offline Asset alarms for example. Choose the maintenance template and a due date. When you have everything set, click save and close.

Save your alarm when you’ve finished adding all of the details and parameters.
List of Configured Alarms
To see what alarms you have set, click on the alarm bell, then Alarm Configuration.

A list of active alarms will display. You will see the alarms you have set up. If you are an admin user, you will see all alarms that all users have set up.

Acknowledging an Alert
To review or acknowledge triggered alarms, click on the bell icon in the upper right corner of OneView. When alarms are triggered, a number will display over the bell, indicating the number of alarms that have been triggered. If there is no number displayed, no alarms are currently open or all triggered alarms have been acknowledged or closed.
Once the **bell icon** is clicked, a list of current alarms will display.

i. To acknowledge an alarm notification, click **Acknowledgement**. Once clicked, the user’s name will display under the Acknowledger column (in place of the Acknowledge button). Any reminder notifications or escalations that have been set for the alarm will stop once an alarm is acknowledged.

ii. To acknowledge an alarm and see more details about it, click on the alarm name. Then click the Acknowledge button.

Note: To Acknowledge multiple alarms at the same time, check the boxes to the left of the desired alarms or click “Select All” at the top of the list. Click the Acknowledge Selected button.
Acknowledge an Alert from Email Notification

When you get the email notification from alarms, the email will include basic details about the alert and a link to view the alert in OneView.

You must acknowledge the alert in OneView. Click the link and you will see the alarm details and an acknowledge button. You may also see a Reset Alarm button. This appears when the reason for the alarm still exists. In this pictured example, the truck is still idling so the long idle alarm is still happening.
Acknowledge an Alert from Text Message

If you receive text message alerts, they show the alarm and the asset/driver involved. They will also include a link to the alarm. If you click the link, it will open OneView in your phone’s browser. You will need to login to OneView on your phone if you choose to see the full details on your phone. OneView is currently not very phone friendly, however with pinch and zoom, you can get to the alarm details and even acknowledge the alarm.
Alarms in OneView Mobile

View individual asset or driver alarms by using the alarms tab on an individual asset/driver, or tap the Alarms bell at the top to see all of your alarms.

**Asset Alarms**

- **JJC-292**
  - Address: 5599 112th Avenue Southeast, Litchville, North Dakota 58461, United States
  - Status: Driving (63 MPH) 1h 29m, No Driver

**Driver Alarms**

- **Pedigree Trainer**
  - Status: Off Duty 6D 18h
  - Break Left: 8h 0m
  - On Duty Left: 14h 0m
  - Period Left: 2D 22h

**Alarms Icon**

- **Open**
- **Acknowledged**
- **Closed**

**Alarm Filter**

Tap on the option you want to see, Open alarms, Acknowledged alarms or Closed Alarms
Scroll past the “Closed” button to use the filter icon and either type in the filter input field or use the alarm level to filter.
Alarm Details

Tap on an alarm to view the details. You will need to scroll down to see all details. You may also acknowledge the alarm.

Vital Information

Severity: NOTICE
Alarm Configuration: Long Idle
Alarm Config Description: Vehicle idling for longer than a specified time period.
Alarm Config Created By: Pedigree Trainer
Asset: Mack 56
Start Time: Thu 18 Jun 2020 09:17 AM
End Time: Thu 18 Jun 2020 09:48 AM
Duration: 31 minutes 12 seconds

Alarm Data

Address: 1101 Main Avenue Southeast, Moorhead, Minnesota 56560, United States
Latitude: 46.86292 °
Longitude: -96.74179 °
Status Badge: Idling

Acknowledge
Appendix – Alarm List & Descriptions

Vehicle Alarms
Create the following alarms on vehicle assets.

- **Acceleration** – Generate an alarm when acceleration is greater than the user designated mph/s
- **Backup Battery Low** – generate an alarm when the truck has a backup battery status of low for more than the user designated length of time
- **Deceleration** – Generate an alarm when deceleration is greater than the user designated mph/s
- **Driving with Camera Disconnected** – if using CameraView, this alarm will notify you if an asset is driving and the camera is not recording video.
- **Driving with ELD Disconnected** - generate an alarm when a tractor is driving with the ELD disconnected for more than the user designated length of time
- **Device Disconnected** – generate an alarm when device has been disconnected from power.
- **High Speed** – generate an alarm when speed is greater that user designated speed for user designated length of time
- **High Speeding (>10mph for 1m+) Count** – generate an alarm when the count of daily speed violations of greater then 10mph, for more than 1 minute is greater than a count you set over a time period you set.
- **Inspection Failure** – generate an alarm when inspection failure occurred
- **Landmark Exit** – generate an alarm when mobile asset exits specified landmarks
- **Landmark Visit** – generate an alarm when mobile asset enters specified landmarks
- **Long Idle** – generate an alarm when vehicle is idling for more than user designated amount of time during the user designated time frame of days and hours
- **Long Stop** – generate an alarm when vehicle is stopped for more than the user designated amount of time during the user designated time frame of days and hours
- **Low Battery** – generate an alarm when battery voltage is less than the user designated voltage for more than the user designated amount of time
- **New Diagnostic Trouble Code** – generate an alarm when vehicle has a new diagnostic trouble code. Optional filters for Source/MID, SPN/PID, or FMI
- **No Driver ID** – generate an alarm when an asset moves without a Driver ID being used.
- **Off-Hours Usage** – generate an alarm when vehicle moves for more than a user designated amount of time during the user designated time frame of days and hours
- **Over Posted Speed Limit** – generate an alarm when speed is greater than the user designated mph/kph over the posted speed limit for more than the user designated length of time.
- **PTO1 High RPM** – generate an alarm when PTO1 is ON and rpms are higher than the user designated level
- **PTO2 High RPM** – generate and alarm when PTO2 is ON and rpms are higher than the user designated level
- **Tire Fast Leak** – generate an alarm when a tire fast leak rate was detected on user designated axles (leave axle field blank for all axles) (must have tire pressure sensors installed)
- **Tire High Temperature** – generate an alarm when a tire has a temperature more than the user designated temperature on the user designated axles (leave axle field blank for all axles) (must have tire pressure sensors installed)
- **Tire Lost Signal** – generate an alarm when a tire signal was lost on axle(s) – user designated axles (leave axle field blank for all axles) (must have tire pressure sensors installed)
- **Tire Pressure Out of Range** – generate an alarm when tire pressure is outside of user designated range on user designated axles (leave axle field blank for all axles) (must have tire pressure sensors installed)

*Note: Tire alarms available if this feature and sensor hardware is purchased and installed
- **Vehicle Offline** – generate an alarm when Vehicle is offline for more than user designated length of time

Mobile Alarms
Create the following alarms on mobile assets, like trailers with mobile equipment manager installed
Backup Battery Low – generate an alarm when asset has a backup battery status of low for more than the user designated length of time
External Power Loss – generate an alarm when the asset has lost external power for more than the user designated length of time
Fuel Low – generate an alarm when the fuel is lower than a level you will set.
High Level Status – generate an alarm when the Level Status is HIGH
Landmark Exit – generate an alarm when mobile asset exits specified landmarks
Landmark Visit – generate an alarm when mobile asset enters specified landmarks
Low Battery – generate an alarm when battery state is low for more than the user designated length of time
Mobile Asset Offline – generate an alarm when Mobile Asset is offline for more than the user designated length of time
Movement – generate an alarm when asset moves more than the user designated distance since last location reading
Off Hour Usage – generate an alarm when mobile asset runs for more than the user designated length of time during the user designated timeframe of days and hours

Tank Alarms
Create the following alarms on tanks

High Usage Rate – generate an alarm when Usage Rate is greater than the user designated rate
High Water – Percentage – generate an alarm when water level is higher than the user designated percentage rate of tank capacity
High Water – Value – generate an alarm when water volume is greater than the user designated volume
Low Volume – Percentage – generate an alarm when the volume is lower than the user designated percentage of tank capacity
Low Volume – Value – generate an alarm when the volume is lower than the user designated level
Tank Offline – generate an alarm when Tank is offline for more than the user designated length of time
Temperature Out Of Range – generate an alarm when temperature outside the range designated by the user

Driver Alarms
Create the following alarms on drivers

HOS Violation – generate an alarm when the driver as violated any of the Hours of Service rules
HOS Violation (Confirmed) – generate an alarm when the driver has violated any of the Hours of Service rules and recorded an ELD record after the violation
HOS Violation Upcoming – generate an alarm when the driver has less that the user designated amount of time left to drive on any given day as constrained by any of the Hours of Service rules
Inspection Failure – generate an alarm when inspection failure occurred
Missed Inspection – generate an alarm when a driver has missed an inspection
Panic Event – generate an alarm when a driver has sent a Panic event
Short Inspection – generate an alarm when a driver has completed an inspection shorter than a time you will set.

Tanksite Alarms
Create the following alarms on tanksites

Tanksite - Low Volume – generate an alarm when volume is lower than the user designated percentage of tanksite capacity
Tanksite Offline – generate an alarm when Tanksite is offline for more than the user designated length of time