

# Driving and Motion as Defined via Vehicle Performance and HOS

## Topic: Driving and Motion as Defined via Vehicle Performance and HOS

### Discussion:

This is how it is currently handled for Vehicle Performance and Driver Information:

**\*One thing to remember is that the way we are handling driving statuses is changing starting in December 2017.**

1. A vehicle is deemed to be driving after it has been at rest and vehicle has moved a 1/2 mile.
2. A vehicle is deemed not driving if either the vehicle is not moving (i.e. speed is 0) for over 5 minutes, or the engine is turned off (RPM is 0) for a period of 4 seconds.

**There are 2 things in play here. Your questions are about how we handle Driving Statuses in Events and Positions. The second item in play here is how we handle Driving in HOS. I wanted to make sure you knew there is a difference between the two so I will explain how both of them work since it is important.**

This is how it is currently handled for HOS:

1. A vehicle is deemed to be driving after it has been at rest and vehicle has moved the distance specified as 'Minimum Drive Distance' in the Web Portal (defaults to 1/10<sup>th</sup> mile).
2. A vehicle is deemed not driving if the vehicle is not moving (i.e. speed is 0) for over 5 minutes.

How Motion is handled for BOTH:

A vehicle is considered to be in motion when speed is above the minimum speed threshold.

If the speed data is received from the trucks SAE J1708 or J1939 bus then this threshold is 2 MPH and if using GPS, it is 7 MPH.

Above definition referenced on [End of Day Rollup](#) as of 12/12/2016.

### New Motion starting in December 2017

#### 4.3.1.2.

- (1) Once the vehicle speed exceeds the set speed threshold, it must be considered in motion.
- (2) Once in motion, the vehicle must be considered in motion until its speed falls to 0 miles per hour and stays at 0 miles per hour for 3 consecutive seconds. Then, the vehicle will be considered stopped.
- (3) An ELD's set speed threshold for determination of the in-motion state for the purpose of this section must not be configurable to greater than 5 miles per hour.

### Related articles

- [How does the unit warn for Personal Use limits?](#)
- [How-to send HOS ELD logs to Enforcement Officer for Roadside Audit](#)
- [Why do I see events from other trucks on my log for today?](#)
- [Who can Certify an HOS log?](#)
- [What is Required to Trigger an Auto-Arrival \(Workflow\)?](#)

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