321.514 Definitions.

As used in this section and sections 321.515 through 321.519, unless the context otherwise requires:

1. *"Automated driving system"* means the hardware and software collectively capable of performing the entire dynamic driving task on a sustained basis, regardless of whether the system is limited to a specific operational design domain, if any.

2. *"Conventional human driver"* means a natural person who manually controls the in-vehicle accelerating, braking, steering, and transmission gear selection input devices in order to operate a motor vehicle.

3. *"Driverless-capable vehicle"* means a system-equipped vehicle capable of performing the entire dynamic driving task within the automated driving system's operational design domain, if any, including but not limited to achievement of a minimal risk condition without intervention or supervision by a conventional human driver.

4. *"Dynamic driving task"* means all real-time operational and tactical functions required to operate a motor vehicle on a highway in traffic within an automated driving system's specific operational design domain, if any. *"Dynamic driving task"* does not include any strategic function such as trip scheduling or the selection of destinations and waypoints.

5. *"Minimal risk condition"* means a reasonably safe state to which an automated driving system brings a system-equipped vehicle upon experiencing a performance-relevant failure of the system that renders the system unable to perform the entire dynamic driving task, including but not limited to removing the vehicle to the nearest shoulder if the vehicle is capable of doing so, bringing the vehicle to a complete stop, and activating the vehicle's emergency signal lamps.

6. *"On-demand driverless-capable vehicle network"* means a transportation service network that uses a software application or other digital means to dispatch driverless-capable vehicles for the purposes of transporting persons or goods, including transportation for hire as defined in section 325A.1, and public transportation.

7. *"Operational design domain"* means a set of constraints used to define the domain under which an automated driving system is designed to properly operate, including but not limited to types of highways, speed ranges, environmental conditions such as weather or time of day, and other constraints.

8. *"System-equipped vehicle"* means a motor vehicle equipped with an automated driving system.

2019 Acts, ch 75, §1
Referred to in §321.519