

Subject Automated vehicle testing
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Date March 18, 2019

Overview

This bill authorizes automated vehicle testing by permit on public roads. It sets permit application and approval requirements, sets out minimum vehicle capabilities, establishes a misdemeanor penalty, provides for data practices, and directs reporting to the legislature.

Summary

Section	Description
1	Automated driving system. Defines “automated driving system” for the chapter of statutes on traffic regulations, to be technology that allows a vehicle to be tested without any control or monitoring by a human.
2	Federal motor vehicle safety standard automated vehicle exemption. Defines “federal motor vehicle safety standard automated vehicle exemption” for the chapter of statutes on traffic regulations.
3	Highly automated vehicle. Defines “highly automated vehicle” for the chapter of statutes on traffic regulations. Among the conditions, the vehicle must be capable of functioning without a person present in the vehicle.
4	Minimal risk condition. Defines “minimal risk condition” for the chapter of statutes on traffic regulations.
5	Operator. Defines “operator” for the chapter of statutes on traffic regulations, so that it includes someone who is testing a highly automated vehicle or engages the vehicle’s automated driving system.

Section	Description
6	<p>[Adds § 174.46] Automated vehicle testing. Authorizes and sets requirements for testing automated vehicles.</p> <p>Subd. 1. Permit required. Mandates a permit in order to engage an automated driving system on public roads.</p> <p>Subd. 2. License and vehicle registration. Provides an exemption from driver's license requirements for a vehicle that cannot be operated directly by a person. Requires a person to be able to assume control of a commercial vehicle.</p> <p>Subd. 3. Permit to test. Sets requirements for testing permits, including on application information, approval from the Department of Public Safety, coordination with local authorities as appropriate, and permit denials.</p> <p>Subd. 4. Restrictions. Sets conditions and required capabilities of highly automated vehicles and operators, including possession of a permit, capability to meet traffic regulations, and continuous monitoring.</p> <p>Subd. 5. Collision reporting and data. Provides for communications and reporting related to highly automated vehicle collisions.</p> <p>Subd. 6. Compliance with laws; misdemeanor; public safety. Sets a misdemeanor penalty for highly automated vehicle testing without a permit. Provides for preventing continued use of a highly automated vehicle.</p> <p>Subd. 7. Data; reporting. Clarifies data classifications. Requires annual reporting to the legislature on testing activities and any collisions.</p> <p>Subd. 8. Uniform laws. Prevents conflicting or more restrictive regulation of highly automated vehicles and automated driving systems.</p>



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