REVISOR 02/20/19 KRB/RC 19-0261 as introduced

SENATE STATE OF MINNESOTA NINETY-FIRST SESSION

A bill for an act

S.F. No. 2173

(SENATE AUTHORS: NEWMAN, Lang and Jasinski)

DATE 03/07/2019 D-PG

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OFFICIAL STATUS

Introduction and first reading Referred to Transportation Finance and Policy

relating to motor vehicles; regulating autonomous vehicle testing; establishing a penalty; requiring a report; amending Minnesota Statutes 2018, section 169.011, 1.3 by adding subdivisions; proposing coding for new law in Minnesota Statutes, 1.4 chapter 174. 1.5 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA: 1.6 Section 1. Minnesota Statutes 2018, section 169.011, is amended by adding a subdivision 1.7 to read: 1.8 Subd. 3b. Automated driving system. "Automated driving system" means technology 1.9 that allows a vehicle to be tested without any control or monitoring by a human. 1.10 Sec. 2. Minnesota Statutes 2018, section 169.011, is amended by adding a subdivision to 1.11 read: 1.12 Subd. 29a. Federal motor vehicle safety standards automated vehicle 1.13 **exemption.** "Federal motor vehicle safety standards automated vehicle exemption" means 1.14 an exemption from the United States secretary of transportation from the motor vehicle 1.15 safety standards under the National Traffic and Motor Vehicle Safety Act. 1.16 Sec. 3. Minnesota Statutes 2018, section 169.011, is amended by adding a subdivision to 1.17 read: 1.18 Subd. 34a. **Highly automated vehicle.** "Highly automated vehicle" means a motor 1.19 vehicle equipped with automated technology with the capability to function without a human 1.20 1.21 operator present in the vehicle. A highly automated vehicle does not include a vehicle

enabled with active safety systems or operator assistance systems, including but not limited

1 Sec 3

Subd. 3. **Permit to test.** (a) The commissioner may grant or deny a permit application

for the testing of a highly automated vehicle. To obtain a permit for the testing of a highly

Sec. 6. 2

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Subd. 4. **Restrictions.** A highly automated vehicle may be tested with the automated

driving system engaged and without a human driver being present in the vehicle if:

(1) the owner or operator has been granted a permit under this section;

Sec. 6. 3

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4.1	(2) the vehicle has the capability to meet the applicable requirements of traffic and motor
4.2	vehicle safety laws and regulations of this state unless an exemption, as requested in
4.3	subdivision 3, has been granted by the commissioner of public safety for the limited purpose
4.4	of testing highly automated vehicles under this section; and
4.5	(3) the operator must continuously monitor the vehicle's performance while it is being
4.6	operated and, if necessary, immediately take control of the vehicle's movements. If the
4.7	operator does not or is unable to take control of the vehicle, the vehicle must be capable of
4.8	achieving a minimal risk condition.
4.9	Subd. 5. Collision reporting and data. In the event of a collision, the driver, operator,
4.10	or owner of a highly automated vehicle must promptly contact law enforcement to report
4.11	the accident, and the highly automated vehicle and its driver or operator must remain at the
4.12	scene of the accident as otherwise required by law. If the highly automated vehicle is being
4.13	operated remotely, the operator must make reasonable efforts to establish and maintain
4.14	communication with law enforcement. The driver, operator, or owner must comply with
4.15	collision reporting requirements as otherwise required by law. In the event of a collision,
4.16	the operator must submit information on whether the automated driving system was engaged
4.17	at the time of the collision and what specific component of the automated driving system
4.18	failed at the time of the collision, if known.
4.19	Subd. 6. Compliance with laws; misdemeanor; public safety. (a) Testing a highly
4.20	automated vehicle without a permit constitutes a misdemeanor. Upon issuing a citation, law
4.21	enforcement may impound or immobilize the vehicle. The vehicle may not be used until
4.22	the operator has obtained the required permit in accordance with this section.
4.23	(b) The commissioners of public safety or transportation may immediately prohibit
4.24	testing of a highly automated vehicle if it poses a risk to public safety or fails to comply
4.25	with the conditions of the approved permit.
4.26	Subd. 7. Data; reporting. (a) Data related to highly automated vehicles is governed by
4.27	the requirements of chapter 13. Trade secret data provided by the industry is protected under
4.28	section 13.37. The tester must meet with the commissioner and the Minnesota Council on
4.29	Disability to discuss lessons learned and best practices.
4.30	(b) No later than October 31 each year until 2024, the commissioner must submit a report
4.31	to the chairs and ranking minority members of the senate and house of representatives
4.32	transportation committees on highly automated vehicle testing. The report must include the
4.33	number of highly automated vehicles on the road, testing locations, whether the highly
4.34	automated vehicles were on public roads, and whether any collisions occurred.

Sec. 6. 4 5.1

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Subd. 8. Uniform laws. Unless otherwise provided in this section, highly automated vehicles, automated driving systems, and any commercial use or operation of highly automated vehicles shall be governed by this section, notwithstanding any other provision of law or rule to the contrary. No rules or regulations relative to the operation of highly automated vehicles or automated driving systems shall be adopted which limit the authority to operate such vehicles or systems conferred by this section or which conflict with this section. This section does not limit a local unit of government's authority to enforce local parking and land use ordinances.

Sec. 6. 5