## THE GENERAL ASSEMBLY OF PENNSYLVANIA

## SENATE BILL

No. 1412 Session of 2015

INTRODUCED BY VULAKOVICH, FONTANA, COSTA, RAFFERTY AND WOZNIAK, NOVEMBER 16, 2016

REFERRED TO TRANSPORTATION, NOVEMBER 16, 2016

- AN ACT Amending Title 75 (Vehicles) of the Pennsylvania Consolidated Statutes, in operation of vehicles, providing for automated and connected vehicles. 3 4 The General Assembly of the Commonwealth of Pennsylvania hereby enacts as follows: Section 1. Title 75 of the Pennsylvania Consolidated 6 Statutes is amended by adding a chapter to read: 7 8 CHAPTER 36 9 AUTOMATED AND CONNECTED VEHICLES Subchapter 10 11 A. Preliminary Provisions 12 B. Testing Authorization for Automated Vehicles 1.3 C. Testing 14 D. Inspections 15 E. Registration and Titles
- 16 <u>F. Liability</u>
- 17 <u>G. Platooning</u>
- 18 <u>H. Statement of Policy</u>

- 1 I. Penalties
- 2 J. Confidentiality
- 3 K. Automated Vehicle Safety Advisory Committee
- 4 <u>L. Preemption of Local Ordinances</u>
- 5 <u>M. Reporting</u>
- 6 <u>N. Reciprocity</u>
- 7 SUBCHAPTER A
- 8 <u>PRELIMINARY PROVISIONS</u>
- 9 <u>Sec.</u>
- 10 3601. Definitions.
- 11 § 3601. Definitions.
- 12 The following words and phrases when used in this chapter
- 13 shall have the meanings given to them in this section unless the
- 14 context clearly indicates otherwise:
- 15 "Automated vehicle tester." A manufacturer, educational or
- 16 <u>research institution</u>, <u>automotive equipment or technology</u>
- 17 provider, fleet operator or owner, natural person, firm,
- 18 copartnership, association or corporation that tests a highly
- 19 automated vehicle or platooning on a trafficway.
- 20 "Commission." The Pennsylvania Turnpike Commission.
- 21 "Committee." The Automated Vehicle Safety Advisory Committee
- 22 <u>established under section 3691.11(a) (relating to Automated</u>
- 23 <u>Vehicle Safety Advisory Committee</u>).
- 24 "Dynamic driving task." All of the real-time functions
- 25 required to test a highly automated vehicle in on-road traffic,
- 26 excluding the selection of destinations and waypoints. This term
- 27 includes:
- 28 (1) object and event detection, recognition and
- 29 <u>classification;</u>
- 30 (2) object and event response;

- 1 <u>(3) maneuver planning;</u>
- 2 (4) steering, turning, lane keeping and lane changing;
- 3 (5) acceleration and deceleration; and
- 4 (6) enhancing conspicuity, including, but not limited
- 5 <u>to, lighting, signaling and gesturing.</u>
- 6 "Highly automated vehicle." A motor vehicle that contains a
- 7 <u>highly automated vehicle system.</u>
- 8 "Highly automated vehicle system." A combination of hardware
- 9 and software that performs the dynamic driving task or driving
- 10 function such as, but not limited to, freeway driving, automated
- 11 taxi or self-parking, by controlling and combining braking,
- 12 throttle and steering functionality. This term falls under the
- 13 Society of Automotive Engineers' Level 3, 4 or 5 where the
- 14 system may monitor the driving environment instead of the test
- 15 operator as specified under the Society of Automotive Engineers'
- 16 Standard J3016.
- 17 "Manufacturer." An individual or company that produces
- 18 highly automated vehicles or highly automated vehicle systems
- 19 for testing on trafficways. This term includes:
- 20 (1) original equipment manufacturers, multiple and final
- 21 stage manufacturers;
- 22 (2) alterers who make changes to a completed motor
- vehicle prior to testing; and
- 24 (3) modifiers who make changes to existing motor
- vehicles for testing.
- 26 "Platooning." A series of motor vehicles that are equipped
- 27 with at least one highly automated vehicle system that are
- 28 traveling in a unified manner and connected by wireless
- 29 communication or other technology allowing for coordinated
- 30 movement on the trafficway.

1	"Test operator." An individual authorized by, employed by or
2	affiliated with an automated vehicle tester who is:
3	(1) in receipt of training and instruction by the
4	automated vehicle tester regarding the capabilities and
5	limitations of the highly automated vehicle;
6	(2) not responsible for the dynamic driving task, but
7	may be responsible for certain aspects of the highly
8	automated vehicle system or testing in on-road traffic,
9	including, but not limited to, the selection of destinations
10	and waypoints for the highly automated vehicle;
11	(3) capable of assuming control, being liable for the
12	testing and being physically seated in the driver's position
13	of the highly automated vehicle that meets the Society of
14	Automotive Engineers' Level 3 or capable of assuming control
15	if not physically seated in the driver's position in the
16	highly automated vehicle that meets the Society of Automotive
17	Engineers' Level 4 or 5; and
18	(4) in receipt of a valid class of a driver's license
19	acceptable by the department for the type of highly automated
20	vehicle being tested.
21	"Test passenger." An individual authorized by, employed by
22	or affiliated with an automated vehicle tester who:
23	(1) is advised of the highly automated vehicle and
24	seated in the highly automated vehicle, excluding the
25	driver's position; and
26	(2) may provide the selection of destinations and
27	waypoints, but who is not responsible for the testing of the
28	highly automated vehicle.
29	SUBCHAPTER B
30	TESTING AUTHORIZATION FOR AUTOMATED VEHICLES

- 1 Sec.
- 2 3611. Application for testing authorization.
- 3 § 3611. Application for testing authorization.
- 4 (a) Application. -- An automated vehicle tester shall submit
- 5 one application to the department for authorization to test
- 6 highly automated vehicles that meet the Society of Automotive
- 7 Engineers' Level 3, 4 or 5 or fall under platooning on
- 8 trafficways.
- 9 (b) Application requirements. -- The following shall apply:
- 10 (1) The department shall collect information from an
- 11 <u>automated vehicle tester that submits an application under</u>
- 12 subsection (a) in a manner consistent with the National
- 13 <u>Highway Traffic Safety Administration and any other pertinent</u>
- information needed by the department to determine the safe
- 15 testing and management of highly automated vehicles or
- 16 platooning on trafficways, including, but not limited to,
- 17 evidence of an automated vehicle tester's ability to satisfy
- 18 a judgment for damages for personal injury, death or property
- damage.
- 20 (2) The department may periodically identify and approve
- 21 the information collected under paragraph (1) as part of the
- 22 application process under subsection (a), which shall apply
- 23 <u>to all automated vehicle testers.</u>
- 24 (3) Members of the public shall be provided a reasonable
- 25 <u>opportunity to comment in writing regarding the application</u>
- 26 process and information needed by the department under
- 27 subsection (a) and this subsection.
- 28 (c) Application approval. -- The following shall apply:
- 29 <u>(1) Approval of an application under subsection (a)</u>
- 30 shall be granted within 15 business days if there is evidence

- 1 that the application is complete. (2) If the application is denied, the applicant shall 2 have the opportunity to appeal the denial upon receiving 3 notice from the department that includes: 4 5 (i) the reason for the denial; and (ii) a description of the process by which the 6 7 applicant may appeal the denial. (3) If the application is approved, the department shall 8 9 issue a permit to the automated vehicle tester and a highly 10 automated vehicle sticker for each highly automated vehicle 11 being tested on a trafficway. 12 (d) Vehicle sticker. -- A highly automated vehicle sticker 13 issued by the department shall be affixed to the extreme lower 14 left-hand inside corner of the rear window of the driver side of the highly automated vehicle, including a motor vehicle in 15 16 platooning, with the printed information visible from the outside. The placement of a highly automated vehicle sticker 17 18 shall not be considered a material obstruction. 19 (e) Application deadline. -- Any potential automated vehicle tester who is legally testing a highly automated vehicle before 20 21 the effective date of this section shall submit an application under subsection (a) within one year of the effective date of 22 23 this subsection. 24 (f) Notice of approved testers. -- The department shall publish the approved automated vehicle testers on the 25

- 26 department's publicly accessible Internet website.
- 27 SUBCHAPTER C
- 28 TESTING
- 29 Sec.
- 3621. Automated vehicle testing. 30

- 1 3622. Audit of permit compliance.
- 2 § 3621. Automated vehicle testing.
- 3 (a) Requirements. -- The following shall apply:
- 4 (1) An automated vehicle tester shall possess a permit
- 5 <u>and highly automated vehicle stickers issued under section</u>
- 6 3611(c)(3) (relating to application for testing
- 7 <u>authorization</u>) and a statement of policy issued under section
- 8 3671 (relating to issuance of statement of policy) from the
- 9 <u>department before any testing of highly automated vehicles</u>
- 10 occurs on trafficways.
- 11 (2) An automated vehicle tester shall comply with
- 12 <u>applicable Federal and State laws, regulations and standards</u>
- when testing highly automated vehicles on trafficways as
- 14 <u>determined by the department, in coordination with the</u>
- 15 commission and the Pennsylvania State Police.
- 16 (b) Recommendations. -- Notwithstanding any other provision of
- 17 law, the department, in coordination with the commission and the
- 18 Pennsylvania State Police, may provide recommendations on
- 19 limiting or restricting the testing of highly automated vehicles
- 20 on trafficways.
- 21 (c) Vehicle control. -- The following shall apply:
- 22 (1) A highly automated vehicle meeting the Society of
- 23 Automotive Engineers' Level 3 shall be occupied or controlled
- remotely by one or more test operators.
- 25 (2) A highly automated vehicle meeting the Society of
- 26 Automotive Engineers' Level 4 or 5 may be occupied or
- 27 <u>controlled remotely by one or more test operators.</u>
- 28 (3) Any highly automated vehicle may be occupied by one
- or more test passengers.
- 30 (d) Compliance. -- The following shall apply:

1 (1) The testing of a highly automated vehicle on

2 <u>trafficways shall comply with applicable State and local</u>

3 traffic laws, State motor vehicle laws and State and local

4 <u>traffic control devices as determined by the department, in</u>

coordination with the commission and the Pennsylvania State

6 <u>Police.</u>

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- (2) The department may notify an automated vehicle tester of any changes to applicable State and local traffic laws, State motor vehicle laws and State and local traffic control devices that may impact testing of highly automated vehicles on trafficways.
- 12 <u>(e) Accident report.--The following shall apply:</u>
- (1) Notwithstanding any other obligation to report an

  accident under this title, an automated vehicle tester shall

  submit a report to the department, on a form supplied by the

  department, of any type of accident that is reportable under

  section 3746 (relating to immediate notice of accident to

  police department).
- (2) An automated vehicle tester shall submit a selfcertification to the department on how the automated vehicle
  testers will reinstate a highly automated vehicle into
  service after being involved in a reportable accident under
  section 3746.
- 24 <u>(f) Cybersecurity intrusions.--The following shall apply:</u>
- 25 (1) If a cybersecurity intrusion attempts to obtain
  26 access to connected infrastructure on or along a trafficway
  27 owned or operated by the department, the commission, a
  28 tolling entity, mass transit authority or municipality in
- this Commonwealth, the automated vehicle tester shall
- 30 <u>immediately notify the department if the highly automated</u>

- 1 <u>vehicle is connected to the infrastructure. Upon notice of a</u>
- 2 <u>cybersecurity intrusion under this paragraph, the department</u>
- 3 <u>shall immediately notify the commission, tolling entity, mass</u>
- 4 <u>transit authority or municipality affected by the intrusion.</u>
- 5 (2) If a cybersecurity intrusion attempts to obtain
- 6 access to a connected highly automated vehicle, the
- 7 <u>department shall immediately notify the automated vehicle</u>
- 8 <u>tester of the intrusion of the infrastructure on or along the</u>
- 9 <u>trafficway owned or operated by the department, the</u>
- 10 commission, a tolling entity, mass transit authority or
- 11 municipality in this Commonwealth that may be connected to a
- 12 highly automated vehicle.
- 13 § 3622. Audit of permit compliance.
- 14 Once every two years, the department may establish an audit
- 15 procedure to monitor the compliance of the permit issued under
- 16 <u>section 3611(c)(3) (relating to application for testing</u>
- 17 authorization), including the demonstration of highly automated
- 18 vehicles or platooning being tested on trafficways, to ensure
- 19 the safe testing and management of highly automated vehicles or
- 20 platooning on trafficways.
- 21 SUBCHAPTER D
- 22 INSPECTIONS
- 23 Sec.
- 24 3631. Safety and emission inspections.
- 25 § 3631. Safety and emission inspections.
- 26 (a) Compliance. -- A highly automated vehicle shall comply
- 27 with applicable Federal and State laws, regulations and
- 28 standards, unless otherwise exempt.
- 29 (b) Safety requirements. -- A highly automated vehicle shall:
- 30 (1) have all appropriate safety equipment installed;

Τ	(2) comply with the safety and emission inspection
2	requirements required by the department, including, but not
3	limited to, 67 Pa. Code Ch. 175 (relating to vehicle
4	equipment and inspection); and
5	(3) have a valid safety inspection, unless otherwise
6	<pre>exempt.</pre>
7	SUBCHAPTER E
8	REGISTRATION AND TITLES
9	Sec.
10	3641. Registration.
11	3642. Titles.
12	§ 3641. Registration.
13	The following shall apply:
14	(1) A highly automated vehicle used for testing shall be
15	properly registered in accordance with section 1301 (relating
16	to registration and certificate of title required).
17	(2) If a highly automated vehicle is registered by the
18	Commonwealth, the highly automated vehicle shall be
19	registered by the department using the code "HAV" in a new
20	data field.
21	§ 3642. Titles.
22	The following shall apply:
23	(1) A highly automated vehicle shall be properly titled
24	in accordance with section 1101 (relating to certificate of
25	title required).
26	(2) If a highly automated vehicle is registered by the
27	Commonwealth, the highly automated vehicle shall be
28	identified on the title by the department using the code
29	"HAV" in a new data field.
30	SUBCHAPTER F

1 <u>LIABILITY</u>

- 2 Sec.
- 3 3651. Liability for violations.
- 4 <u>3652</u>. Construction.
- 5 § 3651. Liability for violations.
- 6 For the purpose of determining liability for any violation of
- 7 this title, the following shall apply:
- 8 (1) The test operator of a highly automated vehicle that
- 9 meets the Society of Automotive Engineers' Level 3 or the
- 10 lead motor vehicle in platooning shall be deemed to be the
- 11 <u>driver.</u>
- 12 (2) The automated vehicle tester shall be deemed to be
- 13 <u>the driver of a highly automated vehicle that meets the</u>
- Society of Automotive Engineers' Level 4 or 5.
- 15 (3) A manufacturer shall not be liable under any action
- 16 <u>arising out of any modification made to add a highly</u>
- 17 automated vehicle system to a motor vehicle or to any of the
- 18 motor vehicle systems or components of a motor vehicle by
- 19 another person without the manufacturer's consent, except for
- 20 a manufacturer that is an automated vehicle tester under this
- chapter.
- 22 (4) A manufacturer shall not be liable under any action
- 23 arising out of any modification made to add a different
- highly automated vehicle system to a highly automated vehicle
- 25 or to alter any of the highly automated vehicle systems or
- 26 components by an automated vehicle tester without the
- 27 manufacturer's consent, except for a manufacturer that is an
- automated vehicle tester under this chapter.
- 29 § 3652. Construction.
- Nothing in this chapter shall be construed as affecting or

- 1 modifying any existing legal basis for determining liability, or
- 2 any defense to liability, of any cause of action not
- 3 specifically referenced in this chapter. Legal responsibility of
- 4 motor vehicle drivers, owners, manufacturers, dealers and other
- 5 persons for any harm or injury caused shall not be affected by
- 6 this section.
- 7 SUBCHAPTER G
- 8 <u>PLATOONING</u>
- 9 <u>Sec.</u>
- 10 3661. Platooning on trafficways.
- 11 § 3661. Platooning on trafficways.
- 12 (a) Requirements. -- An automated vehicle tester shall possess
- 13 <u>a permit and the required highly automated vehicle stickers</u>
- 14 issued under section 3611(c)(3) (relating to application for
- 15 testing authorization) and a statement of policy issued under
- 16 <u>section 3671 (relating to issuance of statement of policy) from</u>
- 17 the department before any platooning occurs on a trafficway.
- (b) Platooning restrictions. -- The following shall apply:
- 19 (1) The department, in coordination with the commission
- and the Pennsylvania State Police, may restrict platooning to
- 21 select trafficways. The department shall maintain a list of
- 22 trafficways where platooning is restricted and immediately
- 23 <u>notify automated vehicle testers of any changes to the list.</u>
- 24 (2) The department, in coordination with the commission
- and the Pennsylvania State Police, shall establish the number
- of motor vehicles allowed in platooning.
- 27 (c) Access.--When testing platooning on a trafficway, a test
- 28 operator shall allow reasonable access for other motor vehicles
- 29 to afford those motor vehicles safe movement among lanes to exit
- 30 or enter the trafficway.

- 1 (d) Occupancy. -- Each motor vehicle in platooning shall be
- 2 occupied by one or more test operators and may be occupied by
- 3 <u>one or more test passengers.</u>
- 4 <u>SUBCHAPTER H</u>
- 5 <u>STATEMENT OF POLICY</u>
- 6 Sec.
- 7 <u>3671</u>. <u>Issuance of statement of policy</u>.
- 8 § 3671. Issuance of statement of policy.
- 9 (a) Issuance. -- The department, in coordination with the
- 10 <u>commission and the Pennsylvania State Police, shall issue a</u>
- 11 statement of policy relating to the provisions of this chapter,
- 12 which shall take effect upon publication in the Pennsylvania
- 13 Bulletin and on the department's publicly accessible Internet
- 14 website.
- 15 (b) Development. -- The department may periodically develop
- 16 and approve a statement of policy, in consultation with the
- 17 chairperson and minority chairperson of the Transportation
- 18 Committee of the Senate and the chairperson and minority
- 19 chairperson of the Transportation Committee of the House of
- 20 Representatives.
- 21 (c) Comment period. -- Members of the public shall be afforded
- 22 a reasonable opportunity to comment in writing regarding a
- 23 statement of policy issued under this section.
- 24 (d) Conformance. -- The department shall ensure the statement
- 25 of policy conforms to the duties of the Commonwealth as
- 26 delegated by the National Highway Traffic Safety Administration.
- 27 (e) Notice.--The department shall immediately notify all
- 28 automated vehicle testers of any approved changes to the
- 29 <u>statement of policy.</u>
- 30 (f) Contents. -- The statement of policy may contain, but is

- 1 not limited to, the following:
- 2 (1) The audit procedure under section 3621 (relating to
- audit of permit compliance), including the demonstration of
- 4 <u>highly automated vehicles or platooning being tested on</u>
- 5 trafficways, to ensure the safe testing and management of
- 6 highly automated vehicles or platooning on trafficways.
- 7 (2) Recommendations on limiting or restricting the
- 8 <u>testing of highly automated vehicles on trafficways.</u>
- 9 (3) The number of motor vehicles allowed in platooning
- and the restrictions on platooning to select trafficways.
- 11 (4) Any other policy determined to be necessary for the
- 12 safe testing and management of highly automated vehicles or
- 13 platooning on trafficways.
- 14 SUBCHAPTER I
- 15 PENALTIES
- 16 <u>Sec.</u>
- 17 3681. Permit suspension or cancellation.
- 18 3682. Registration suspension.
- 19 3683. Miscellaneous penalties.
- 20 3684. Regulations.
- 21 § 3681. Permit suspension or cancellation.
- 22 (a) Suspension or cancellation. -- For violations relating to
- 23 the testing of highly automated vehicles on trafficways, the
- 24 department may suspend or cancel a permit issued under section
- 25 3610(c)(3) (relating to application for testing authorization)
- 26 to test highly automated vehicles due to any of the following:
- 27 (1) Three or more violations of the provisions of
- 28 Chapter 31 (relating to general provisions), 33 (relating to
- 29 <u>rules of the road in general), 37 (relating to miscellaneous</u>
- 30 provisions) or 38 (driving after imbibing alcohol or

- 1 <u>utilizing drugs</u>).
- 2 (2) One or more violations of the provisions of this
- 3 title, which involve serious bodily injury or death.
- 4 (b) Notice. -- The department shall immediately notify the
- 5 automated vehicle tester of a violation under subsection (a)
- 6 listing each reason for the suspension or cancellation, and
- 7 describing the process by which the automated vehicle tester may
- 8 appeal the suspension or cancellation.
- 9 (c) Appeals.--The following shall apply:
- 10 (1) The automated vehicle tester shall have the
- 11 <u>opportunity to appeal a suspension or cancellation under</u>
- 12 <u>subsection (a) upon receiving notice from the department</u>
- under subsection (b).
- 14 (2) The automated vehicle tester shall cease all testing
- 15 <u>until a determination of the appeal is authorized. A</u>
- determination of the appeal shall be within 45 business days
- of the filing of the appeal.
- 18 (d) Permit noncompliance. -- An individual conducting
- 19 automated vehicle testing, except as provided under a permit
- 20 issued under section 3611(c)(3), commits a misdemeanor of the
- 21 third degree.
- 22 § 3682. Registration suspension.
- 23 (a) Suspension. -- The department may suspend the registration
- 24 of a highly automated vehicle if the highly automated vehicle is
- 25 unsafe or unfit for testing on a trafficway due to any of the
- 26 following:
- 27 (1) Three or more violations of the provisions of
- 28 Chapter 31 (relating to general provisions), 33 (relating to
- 29 <u>rules of the road in general) or 37 (relating to</u>
- 30 miscellaneous provisions).

- 1 (2) One or more violations of this title, which involve 2 serious bodily injury or death. (b) Notice. -- The department shall immediately notify the 3 automated vehicle tester of a violation under subsection (a). 4 5 (c) Appeals. -- The following shall apply: (1) The automated vehicle tester shall have the 6 7 opportunity to appeal the suspension upon receiving notice from the department under subsection (b). The department 8 9 shall provide the automated vehicle tester with a list of the 10 reasons for the suspension and a description of the process 11 by which the automated vehicle tester may appeal the 12 suspension. 13 (2) The automated vehicle tester shall cease all testing 14 of the highly automated vehicle until a determination of an appeal is authorized. A determination of the appeal shall be 15 within 45 business days of the filing of the appeal. 16 § 3683. Miscellaneous penalties. 17 18 An automated vehicle tester who violates any provision of 19 this chapter for which a penalty is not otherwise prescribed commits a summary offense and shall, upon conviction, be 20 sentenced to pay a fine of \$5,000 for the first violation and 21 \$10,000 for the second or subsequent violation. 22 § 3684. Regulations. 23 24 The department shall promulgate regulations to suspend or 25 cancel a permit under section 3681 (relating to permit 26 suspension or cancellation) and to suspend registration under 27 section 3682 (relating to registration suspension). 28 SUBCHAPTER J 29 CONFIDENTIALITY
- 30 <u>Sec.</u>

- 1 3691. Confidential information.
- 2 § 3691. Confidential information.
- 3 Notwithstanding any other provision of law, the following
- 4 <u>information shall be proprietary and may not be disclosed to a</u>
- 5 third party:
- 6 (1) automated vehicle tester data, information or
- 7 reports submitted to the department under this chapter; and
- 8 (2) any other information regarding an automated vehicle
- 9 <u>tester, test operator, highly automated vehicle or highly</u>
- 10 <u>automated driving system that would reveal proprietary trade</u>
- 11 <u>secrets or personally identifiable information about any</u>
- individual, including any information provided by the
- 13 <u>autonomous vehicle tester in the context of obtaining and</u>
- 14 <u>maintaining a permit under this chapter.</u>
- 15 SUBCHAPTER K
- 16 AUTOMATED VEHICLE SAFETY ADVISORY COMMITTEE
- 17 Sec.
- 18 3691.11. Automated Vehicle Safety Advisory Committee.
- 19 § 3691.11. Automated Vehicle Safety Advisory Committee.
- 20 (a) Establishment. -- The Automated Vehicle Safety Advisory
- 21 Committee is established within the department.
- 22 (b) The committee shall consist of the following members:
- 23 (1) The Secretary of Transportation as the chairperson.
- 24 (2) The Secretary of Policy and Planning.
- 25 <u>(3) The Insurance Commissioner.</u>
- 26 (4) The Secretary of Aging.
- 27 (5) The Secretary of Community and Economic Development.
- 28 (6) The Secretary of Human Services.
- 29 (7) The Commissioner of the Pennsylvania State Police.
- 30 (8) The chairperson of the Pennsylvania Turnpike

1	Commission.
2	(9) The chairperson and minority chairperson of the
3	Transportation Committee of the Senate.
4	(10) The chairperson and minority chairperson of the
5	Transportation Committee of the House of Representatives.
6	(11) The following members appointed by the Governor:
7	(i) One member representing an urban or rural
8	transit authority in this Commonwealth. An appointment
9	under this subparagraph shall rotate from an urban
10	transit authority to a rural transit authority or vice
11	versa for each successive appointment.
12	(ii) One member representing a transportation
13	educational or research institution in this Commonwealth.
14	(iii) Two members who are automated vehicle testers
15	in accordance with this chapter.
16	(iv) One member representing bicyclists or
17	pedestrians from this Commonwealth.
18	(v) One member representing drivers or consumers
19	from this Commonwealth.
20	(vi) One member representing a local law enforcement
21	agency in Pennsylvania.
22	(c) Alternates A committee member may designate an
23	alternate to serve in the committee member's stead and the
24	committee member shall notify the chairperson in writing of the
25	designation.
26	(d) Terms The terms of committee members appointed by the
27	Governor under subsection (b) (11) shall be for three years. Any
28	member of the committee may be reappointed for additional
29	terms. An individual appointed to fill a vacancy shall serve for

30 the unexpired term and shall be eligible for reappointment.

1	(e) Meetings and expenses The following shall apply:
2	(1) The committee shall meet at least annually.
3	(2) A committee member appointed by the Governor who
4	misses three consecutive meetings without good cause
5	acceptable to the chairperson may be replaced by the
6	Governor.
7	(3) The committee members shall not be allowed per diem
8	expenses.
9	(4) The department shall provide appropriate staff
10	support to enable the committee to properly carry out its
11	functions.
12	(e) Powers and duties The powers and duties of the
13	committee shall be to advise and comment on all phases of, but
14	not limited to, automated vehicle testing, automated vehicle
15	highway safety programs, deployed automated vehicles and the
16	public education and training for emergency service responders
17	and law enforcement being undertaken or financially assisted by
18	the department and State agencies.
19	SUBCHAPTER L
20	PREEMPTION OF LOCAL ORDINANCES
21	Sec.
22	3691.21. Preemption of local ordinances.
23	§ 3691.21. Preemption of local ordinances.
24	In accordance with section 6101 (relating to applicability
25	and uniformity of title), this chapter supersedes and preempts
26	all ordinances of any municipality with regard to the testing of
27	highly automated vehicles on trafficways.
28	SUBCHAPTER M
29	REPORTING
30	Sec.

- 1 3691.31. Reports on highly automated vehicles.
- 2 § 3691.31. Reports on highly automated vehicles.
- 3 (a) Transition report. -- No later than January 1, 2020, the
- 4 <u>department shall conduct a report on the potential discrepancies</u>
- 5 <u>in State law and regulations in order to make the transition</u>
- 6 from human-driven vehicles equipped with automated safety
- 7 technologies to fully deployed automated vehicles with respect
- 8 to all of, but not limited to, the following areas:
- 9 <u>(1) Law enforcement and emergency response.</u>
- 10 (2) Occupant safety.
- 11 (3) Motor vehicle insurance.
- 12 (4) Crash investigations and crash reporting.
- 13 (5) Liability, including, but not limited to, civil and
- criminal liability.
- 15 <u>(6) Motor vehicle inspections.</u>
- 16 <u>(7) Education and training.</u>
- 17 (8) Vehicle modifications and maintenance.
- 18 (9) Environmental impacts.
- 19 (b) Barriers report. -- No later than January 1, 2020, the
- 20 department shall conduct a report on State law and regulations
- 21 to address unnecessary barriers to the safe testing, deployment
- 22 and operation of highly automated vehicles with respect to all
- 23 of, but not limited to, the following areas:
- 24 (1) Licensing and registration.
- 25 (2) Driver education and training.
- 26 (3) Insurance and liability.
- 27 (4) Enforcement of traffic laws and regulations.
- 28 (5) Administration of motor vehicle inspections.
- 29 (6) Any legal issues that need to be addressed to
- facilitate the deployment and operation of highly automated

- 1 vehicles.
- 2 (c) Financial needs report. -- No later than January 1, 2022,
- 3 the department shall conduct a report on the financial needs of
- 4 the existing and planned infrastructure and assets of
- 5 trafficways in this Commonwealth to upgrade, but not be limited
- 6 to, roads, bridges and traffic signals to operate deployed
- 7 <u>autonomous vehicles safely, capable of vehicle to infrastructure</u>
- 8 connectivity and vehicle to vehicle connectivity on trafficways.
- 9 (d) Copies. -- The department shall provide copies of the
- 10 reports under subsections (a), (b) and (c) to the chairperson
- 11 and minority chairperson of the Transportation Committee of the
- 12 Senate and the chairperson and minority chairperson of the
- 13 <u>Transportation Committee of the House of Representatives. The</u>
- 14 department shall publish copies of the reports under subsections
- 15 (a), (b) and (c) on the department's publicly accessible
- 16 Internet website.
- 17 SUBCHAPTER N
- 18 RECIPROCITY
- 19 Sec.
- 20 3691.41. Declaration of policy.
- 21 3691.42. Form, publication and distribution of documents.
- 22 3691.43. Suspension of reciprocity benefits.
- 23 § 3691.41. Declaration of policy.
- 24 It is the policy of this Commonwealth to promote and
- 25 encourage the fullest possible use of its trafficways by
- 26 authorizing the making and execution of reciprocal agreements,
- 27 <u>arrangements and declarations with other states, provinces,</u>
- 28 territories and countries with respect to highly automated
- 29 vehicles, testing, test operators, test passengers, inspections,
- 30 registration and titles in this and other states, provinces,

- 1 territories and countries, thus contributing to the safety and
- 2 economic development of testing highly automated vehicles in
- 3 this Commonwealth.
- 4 § 3691.42. Form, publication and distribution of documents.
- 5 Agreements, arrangements and declarations, and amendments
- 6 thereto, shall be in writing and shall be published in
- 7 compliance with 45 Pa.C.S. Pt. II (relating to publication and
- 8 <u>effectiveness of Commonwealth documents</u>). The department shall
- 9 provide copies for public distribution upon request.
- 10 § 3691.43. Suspension of reciprocity benefits.
- 11 Agreements, arrangements or declarations made under authority
- 12 of this subchapter may include provisions authorizing the
- 13 <u>department to suspend or cancel the exemptions, benefits or</u>
- 14 privileges granted to a person who violates any of the
- 15 conditions or terms of such agreements, arrangements or
- 16 <u>declarations or who violates the laws or regulations of this</u>
- 17 Commonwealth related to highly automated vehicles.
- 18 Section 2. This act shall take effect as follows:
- 19 (1) This section shall take effect immediately.
- 20 (2) The provisions of 75 Pa.C.S. § 3611(b)(3) and Subch.
- 21 H shall take effect in 45 days.
- 22 (3) The remainder of this act shall take effect in 90
- days.