

HOUSE BILL 1013

R5

7lr1851
CF SB 902

By: **Delegate McCray**

Introduced and read first time: February 8, 2017

Assigned to: Environment and Transportation

A BILL ENTITLED

1 AN ACT concerning

2 **Vehicle Laws – Safe Autonomous Vehicle (SAVE) Act**

3 FOR the purpose of authorizing certain manufacturers of autonomous and connected
4 (AV/CV) vehicles to establish a safe autonomous vehicle (SAVE) project authorizing
5 the manufacturer to supervise the driving of AV/CV vehicles on highways in the
6 State; establishing that this Act applies to certain AV/CV vehicle manufacturers;
7 requiring an AV/CV vehicle manufacturer to certify to the Motor Vehicle
8 Administration that the AV/CV vehicles in its fleet under a SAVE project meet
9 certain standards; authorizing an AV/CV vehicle manufacturer to implement
10 multiple projects; establishing that an AV/CV vehicle may be driven on a highway in
11 the State only if the AV/CV vehicle is properly titled and registered and is part of a
12 SAVE project; requiring an AV/CV vehicle manufacturer to determine certain
13 geographical boundaries for a SAVE project; providing for certain recordkeeping and
14 reporting requirements for a SAVE project; providing for the application of certain
15 provisions of the Maryland Vehicle Law to AV/CV vehicles; establishing a certain
16 maximum penalty for a violation of this Act; providing for the registration
17 classification and a special registration plate for an AV/CV vehicle; defining certain
18 terms and altering a certain definition; and generally relating to the Safe
19 Autonomous Vehicle (SAVE) Act.

20 BY adding to

21 Article – Transportation

22 Section 11–103.4, 11–103.5, 13–939.3, and 21–1130

23 Annotated Code of Maryland

24 (2012 Replacement Volume and 2016 Supplement)

25 BY repealing and reenacting, with amendments,

26 Article – Transportation

27 Section 11–135

28 Annotated Code of Maryland

29 (2012 Replacement Volume and 2016 Supplement)

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 BY repealing and reenacting, without amendments,
2 Article – Transportation
3 Section 13–101.1 and 13–402(a)(1)
4 Annotated Code of Maryland
5 (2012 Replacement Volume and 2016 Supplement)

6 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,
7 That the Laws of Maryland read as follows:

8 **Article – Transportation**

9 **11–103.4.**

10 **“AUTOMATED DRIVING SYSTEM” MEANS TECHNOLOGY INSTALLED ON A**
11 **MOTOR VEHICLE THAT, ON A PART–TIME OR FULL–TIME BASIS, DRIVES THE VEHICLE**
12 **WITHOUT THE NEED FOR SUPERVISION BY OR THE PRESENCE OF AN INDIVIDUAL.**

13 **11–103.5.**

14 **“AUTONOMOUS AND CONNECTED VEHICLE” AND “AV/CV VEHICLE” MEAN A**
15 **MOTOR VEHICLE EQUIPPED WITH AN AUTOMATED DRIVING SYSTEM.**

16 11–135.

17 (a) (1) “Motor vehicle” means, except as provided in subsection (b) of this
18 section, a vehicle that:

19 (i) Is self–propelled or propelled by electric power obtained from
20 overhead electrical wires; and

21 (ii) Is not operated on rails.

22 (2) “Motor vehicle” includes [a]:

23 (I) A low speed vehicle; AND

24 (II) AN AV/CV VEHICLE.

25 (b) “Motor vehicle” does not include:

26 (1) A moped, as defined in § 11–134.1 of this subtitle;

27 (2) A motor scooter, as defined in § 11–134.5 of this subtitle; or

28 (3) An electric bicycle, as defined in § 11–117.1 of this subtitle.

1 13-101.1.

2 Except as provided in § 13-102 of this subtitle, the owner of each vehicle that is in
3 this State and for which the Administration has not issued a certificate of title shall apply
4 to the Administration for a certificate of title of the vehicle.

5 13-402.

6 (a) (1) Except as otherwise provided in this section or elsewhere in the
7 Maryland Vehicle Law, each motor vehicle, trailer, semitrailer, and pole trailer driven on
8 a highway shall be registered under this subtitle.

9 **13-939.3.**

10 (A) **WHEN REGISTERED WITH THE ADMINISTRATION, EVERY AUTONOMOUS**
11 **AND CONNECTED VEHICLE IS A CLASS S (AV/CV) VEHICLE.**

12 (B) **FOR EACH CLASS S (AV/CV) VEHICLE, THE ANNUAL REGISTRATION FEE**
13 **IS \$50.50.**

14 (C) **THE ADMINISTRATION SHALL ISSUE A SPECIAL AV/CV VEHICLE**
15 **REGISTRATION PLATE OF THE SIZE AND DESIGN THAT THE ADMINISTRATION**
16 **DETERMINES.**

17 **21-1130.**

18 (A) (1) **IN THIS SECTION THE FOLLOWING WORDS HAVE THE MEANINGS**
19 **INDICATED.**

20 (2) **“AUTOMATIC CRASH NOTIFICATION TECHNOLOGY” MEANS A**
21 **VEHICLE SERVICE THAT INTEGRATES WIRELESS COMMUNICATIONS AND VEHICLE**
22 **LOCATION TECHNOLOGY TO DETERMINE THE NEED FOR OR FACILITATE**
23 **EMERGENCY MEDICAL OR LAW ENFORCEMENT RESPONSE TO A VEHICLE CRASH.**

24 (3) **“ON-DEMAND AUTOMATED MOTOR VEHICLE NETWORK” MEANS A**
25 **DIGITAL NETWORK, SOFTWARE APPLICATION, OR OTHER MEANS TO CONNECT**
26 **PASSENGERS TO AV/CV VEHICLES TO FACILITATE TRANSPORTATION BETWEEN**
27 **POINTS SELECTED BY THE PASSENGER.**

28 (4) **“PARTICIPATING FLEET” MEANS THE AV/CV VEHICLES**
29 **OPERATING ON HIGHWAYS IN THE STATE AS PART OF A SAVE PROJECT**
30 **IMPLEMENTED BY AN AV/CV VEHICLE MANUFACTURER.**

1 **(II) NOTIFIES THE ADMINISTRATION OF THE GEOGRAPHIC**
2 **BOUNDARIES FOR THE SAVE PROJECT.**

3 **(2) AN AV/CV VEHICLE MANUFACTURER SHALL DETERMINE THE**
4 **GEOGRAPHIC BOUNDARIES FOR A SAVE PROJECT, WHICH MAY BE IN THE FORM OF:**

5 **(I) HIGHWAYS WITHIN A DESIGNATED AREA OF THE STATE;**

6 **(II) A COUNTY OR MUNICIPALITY;**

7 **(III) AREAS MAINTAINED BY REGIONAL AUTHORITIES;**

8 **(IV) CAMPUSES OF INSTITUTIONS OF HIGHER EDUCATION;**

9 **(V) COMMUNITIES THAT CATER TO SENIOR CITIZENS; OR**

10 **(VI) THE BOUNDARIES FOR ANY OTHER SIMILAR GEOGRAPHIC**
11 **OR DEMOGRAPHIC AREA.**

12 **(3) AN AV/CV VEHICLE IN A PARTICIPATING FLEET MAY BE**
13 **OPERATED ONLY WITHIN THE BOUNDARIES SELECTED BY THE AV/CV VEHICLE**
14 **MANUFACTURER FOR THE SAVE PROJECT.**

15 **(4) (I) FOR THE DURATION OF THE SAVE PROJECT, THE AV/CV**
16 **VEHICLE MANUFACTURER SHALL MAINTAIN CRASH AND SAFETY RECORDS AND**
17 **PROVIDE QUARTERLY SUMMARIES OF THESE RECORDS FOR THE PARTICIPATING**
18 **FLEET TO THE ADMINISTRATION AND THE NATIONAL HIGHWAY TRAFFIC SAFETY**
19 **ADMINISTRATION.**

20 **(II) AN INDIVIDUAL WHO PARTICIPATES IN A SAVE PROJECT IS**
21 **DEEMED TO HAVE CONSENTED TO THE COLLECTION OF DATA WHILE THE**
22 **INDIVIDUAL IS IN AN AV/CV VEHICLE AS PART OF THE SAVE PROJECT AND TO THE**
23 **LATER DISSEMINATION OF ANONYMIZED VERSIONS OF THE DATA TO THE**
24 **ADMINISTRATION AND THE NATIONAL HIGHWAY TRAFFIC SAFETY**
25 **ADMINISTRATION.**

26 **(III) AN AV/CV VEHICLE MANUFACTURER THAT IMPLEMENTS A**
27 **SAVE PROJECT SHALL PUBLICLY DISCLOSE ITS DATA-HANDLING POLICIES AND**
28 **PRACTICES IN CONNECTION WITH THE SAVE PROJECT BEFORE IMPLEMENTING**
29 **AND FOR THE DURATION OF THE SAVE PROJECT.**

1 **(E) (1) NOTWITHSTANDING ANY OTHER PROVISION OF THE MARYLAND**
2 **VEHICLE LAW, IF THE AUTOMATED DRIVING SYSTEM OF AN AV/CV VEHICLE IN A**
3 **PARTICIPATING FLEET IS ACTIVATED:**

4 **(I) THE AUTOMATED DRIVING SYSTEM SHALL BE DEEMED TO**
5 **BE:**

6 **1. THE DRIVER OF THE AV/CV VEHICLE FOR THE**
7 **PURPOSE OF DETERMINING COMPLIANCE WITH THE MARYLAND VEHICLE LAW; AND**

8 **2. VALIDLY LICENSED TO DRIVE A MOTOR VEHICLE ON A**
9 **HIGHWAY IN THE STATE; AND**

10 **(II) A LICENSED HUMAN DRIVER DOES NOT NEED TO BE**
11 **PRESENT IN OR DRIVING THE AV/CV VEHICLE.**

12 **(2) AN AV/CV VEHICLE MANUFACTURER SHALL INSURE EACH**
13 **VEHICLE IN A PARTICIPATING FLEET AS REQUIRED UNDER STATE LAW.**

14 **(3) AN AV/CV VEHICLE MANUFACTURER:**

15 **(I) IS LIABLE, IN ACCORDANCE WITH STATE LAW, FOR ALL**
16 **DAMAGES ARISING OUT OF INCIDENTS FOR WHICH THE AUTOMATED DRIVING**
17 **SYSTEM WAS ACTIVATED AND AT FAULT; AND**

18 **(II) IS IMMUNE FROM LIABILITY FOR DAMAGES THAT ARISE OUT**
19 **OF ANY MODIFICATION MADE BY ANOTHER PERSON TO THE AV/CV VEHICLE OR A**
20 **SYSTEM OR COMPONENT OF THE AV/CV VEHICLE WITHOUT THE WRITTEN CONSENT**
21 **OF THE MANUFACTURER.**

22 **(4) AN AV/CV VEHICLE FOR WHICH THE AUTOMATIC CRASH**
23 **NOTIFICATION TECHNOLOGY PROMPTLY CONNECTS A REPRESENTATIVE OF THE**
24 **AV/CV VEHICLE MANUFACTURER WITH THE APPROPRIATE LAW ENFORCEMENT**
25 **AGENCY TO REPORT A CRASH IS DEEMED IN COMPLIANCE WITH §§ 20–102 THROUGH**
26 **20–106 OF THIS ARTICLE.**

27 **(5) THE SEAT BELT AND CHILD SAFETY SEAT REQUIREMENTS UNDER**
28 **§§ 22–412.2 AND 22–412.3 OF THIS ARTICLE APPLY ONLY TO HUMAN OCCUPANTS OF**
29 **AN AV/CV VEHICLE.**

30 **(6) THE PROHIBITIONS GOVERNING UNATTENDED MOTOR VEHICLES**
31 **UNDER § 21–1101 OF THIS SUBTITLE DO NOT APPLY TO AN AV/CV VEHICLE.**

1 **(F) A PERSON CONVICTED OF A VIOLATION OF THIS SECTION IS SUBJECT TO**
2 **A FINE NOT EXCEEDING \$10,000.**

3 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect
4 October 1, 2017.