

115TH CONGRESS
1ST SESSION

H. R. 3430

To establish in the National Highway Traffic Safety Administration a Highly Automated Vehicle Information Sharing Advisory Council to make recommendations regarding the development of a framework that allows manufacturers of highly automated vehicles to share information related to testing or deployment events on public streets.

IN THE HOUSE OF REPRESENTATIVES

JULY 26, 2017

Mr. GUTHRIE introduced the following bill; which was referred to the
Committee on Energy and Commerce

A BILL

To establish in the National Highway Traffic Safety Administration a Highly Automated Vehicle Information Sharing Advisory Council to make recommendations regarding the development of a framework that allows manufacturers of highly automated vehicles to share information related to testing or deployment events on public streets.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Sharing Automated
5 Vehicle Records with Everyone for Safety Act” or the
6 “SHARES Act”.

1 **SEC. 2. HIGHLY AUTOMATED VEHICLE INFORMATION**
2 **SHARING ADVISORY COUNCIL.**

3 (a) ESTABLISHMENT.—Subject to the availability of
4 appropriations, not later than 6 months after the date of
5 enactment of this Act, the Secretary of Transportation
6 shall establish in the National Highway Traffic Safety Ad-
7 ministration a Highly Automated Vehicle Information
8 Sharing Advisory Council (hereinafter referred to as the
9 “Council”).

10 (b) MEMBERSHIP.—Members of the Council shall in-
11 clude a diverse group representative of business, academia
12 and independent researchers, State and local authorities,
13 safety and consumer advocates, engineers, labor organiza-
14 tions, environmental experts, a representative of the Na-
15 tional Highway Traffic Safety Administration, and other
16 members determined to be appropriate by the Secretary.
17 The Council shall be composed of not less than 15 and
18 not more than 30 members appointed by the Secretary.

19 (c) TERMS.—Members of the Council shall be ap-
20 pointed by the Secretary of Transportation and shall serve
21 for a term of three years.

22 (d) VACANCIES.—Any vacancy occurring in the mem-
23 bership of the Council shall be filled in the same manner
24 as the original appointment for the position being vacated.
25 The vacancy shall not affect the power of the remaining
26 members to execute the duties of the Council.

1 (e) DUTIES.—The Council shall undertake informa-
2 tion gathering activities, develop technical advice, and
3 present best practices or recommendations to the Sec-
4 retary regarding the development of a framework that al-
5 lows manufacturers of highly automated vehicles to share
6 with each other and the National Highway Traffic Safety
7 Administration relevant, situational information related to
8 any testing or deployment event on public streets resulting
9 or that reasonably could have resulted in damage to the
10 vehicle or any occupant thereof and validation of such ve-
11 hicles in a manner that does not risk public disclosure of
12 such information or disclosure of confidential business in-
13 formation.

14 (f) REPORT TO CONGRESS.—The recommendations
15 of the Council shall also be reported to the Committee on
16 Energy and Commerce of the House of Representatives
17 and the Committee on Commerce, Science, and Transpor-
18 tation of the Senate.

19 (g) FEDERAL ADVISORY COMMITTEE ACT.—The es-
20 tablishment and operation of the Council shall conform to
21 the requirements of the Federal Advisory Committee Act
22 (5 U.S.C. App.).

23 (h) TECHNICAL ASSISTANCE.—On request of the
24 Council, the Secretary shall provide such technical assist-

1 ance to the Council as the Secretary determines to be nec-
 2 essary to carry out the Council’s duties.

3 (i) DETAIL OF FEDERAL EMPLOYEES.—On the re-
 4 quest of the Council, the Secretary may detail, with or
 5 without reimbursement, any of the personnel of the De-
 6 partment of Transportation to the Council to assist the
 7 Council in carrying out its duties. Any detail shall not in-
 8 terrupt or otherwise affect the civil service status or privi-
 9 leges of the Federal employee.

10 (j) PAYMENT AND EXPENSES.—Members of the
 11 Council shall serve without pay, except travel and per diem
 12 will be paid each member for meetings called by the Sec-
 13 retary.

14 (k) TERMINATION.—The Council shall terminate 6
 15 years after the date of enactment of this Act.

16 (l) DEFINITIONS.—

17 (1) IN GENERAL.—In this section—

18 (A) the term “automated driving system”
 19 means the hardware and software that are col-
 20 lectively capable of performing the entire dy-
 21 namic driving task on a sustained basis, regard-
 22 less of whether such system is limited to a spe-
 23 cific operational design domain;

24 (B) the term “dynamic driving task”
 25 means all of the real time operational and tac-

tical functions required to operate a vehicle in on-road traffic, excluding the strategic functions such as trip scheduling and selection of destinations and waypoints, and including—

(i) lateral vehicle motion control via steering;

(ii) longitudinal vehicle motion control via acceleration and deceleration;

(iii) monitoring the driving environment via object and event detection, recognition, classification, and response preparation;

(iv) object and event response execution;

(v) maneuver planning; and

(vi) enhancing conspicuity via lighting, signaling, and gesturing;

(C) the term “highly automated vehicle”—

(i) means a motor vehicle equipped with an automated driving system; and

(ii) does not include a commercial motor vehicle (as defined in section 31101 of title 49, United States Code); and

(D) the term “operational design domain” means the specific conditions under which a

1 given driving automation system or feature
2 thereof is designed to function.

3 (2) REVISIONS TO CERTAIN DEFINITIONS.—

4 (A) If SAE International (or its successor
5 organization) revises the definition of any of the
6 terms defined in subparagraph (A), (B), or (D)
7 of paragraph (1) in Recommended Practice Re-
8 port J3016, it shall notify the Secretary of the
9 revision. The Secretary shall publish a notice in
10 the Federal Register to inform the public of the
11 new definition unless, within 90 days after re-
12 ceiving notice of the new definition and after
13 opening a period for public comment on the
14 new definition, the Secretary notifies SAE
15 International (or its successor organization)
16 that the Secretary has determined that the new
17 definition does not meet the need for motor ve-
18 hicle safety, or is otherwise inconsistent with
19 the purposes of chapter 301 of title 49, United
20 States Code. If the Secretary so notifies SAE
21 International (or its successor organization),
22 the existing definition in paragraph (1) shall re-
23 main in effect.

24 (B) If the Secretary does not reject a defi-
25 nition revised by SAE International (or its suc-

cessor organization) as described in subparagraph (A), the Secretary shall promptly make any conforming amendments to the regulations and standards of the Secretary that are necessary. The revised definition shall apply for purposes of this section. The requirements of section 553 of title 5, United States Code, shall not apply to the making of any such conforming amendments.

(C) Pursuant to section 553 of title 5, United States Code, the Secretary may update any of the definitions in subparagraph (A), (B), or (D) of paragraph (1) if the Secretary determines that materially changed circumstances regarding highly automated vehicles have impacted motor vehicle safety such that the definitions need to be updated to reflect such circumstances.

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